

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

#6

Inventor(s): Jeffrey Van Ness et al.

Serial No. 10/000,467 Express Mail No. EV020613648US Docket No. 780068.418C3

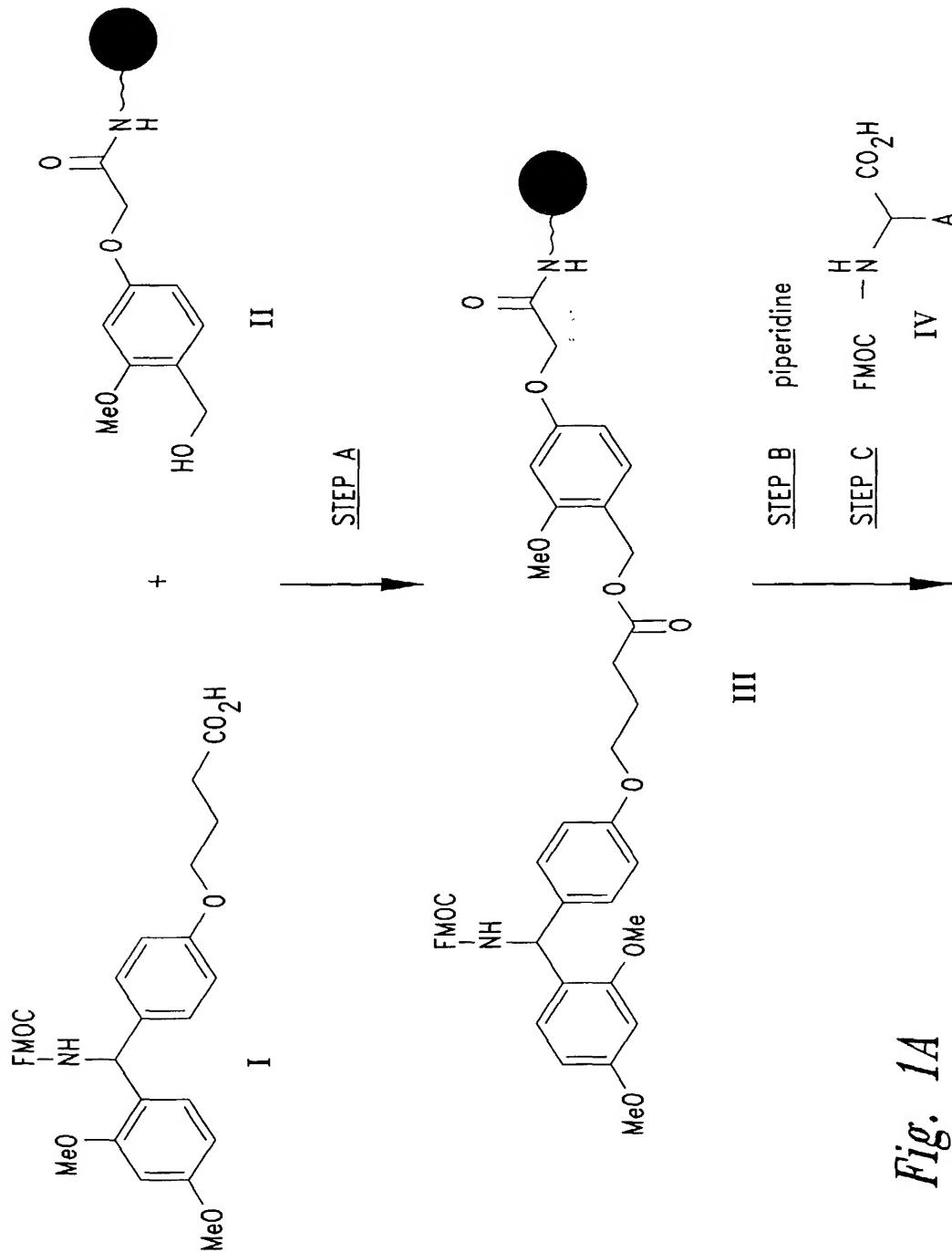


Fig. 1A

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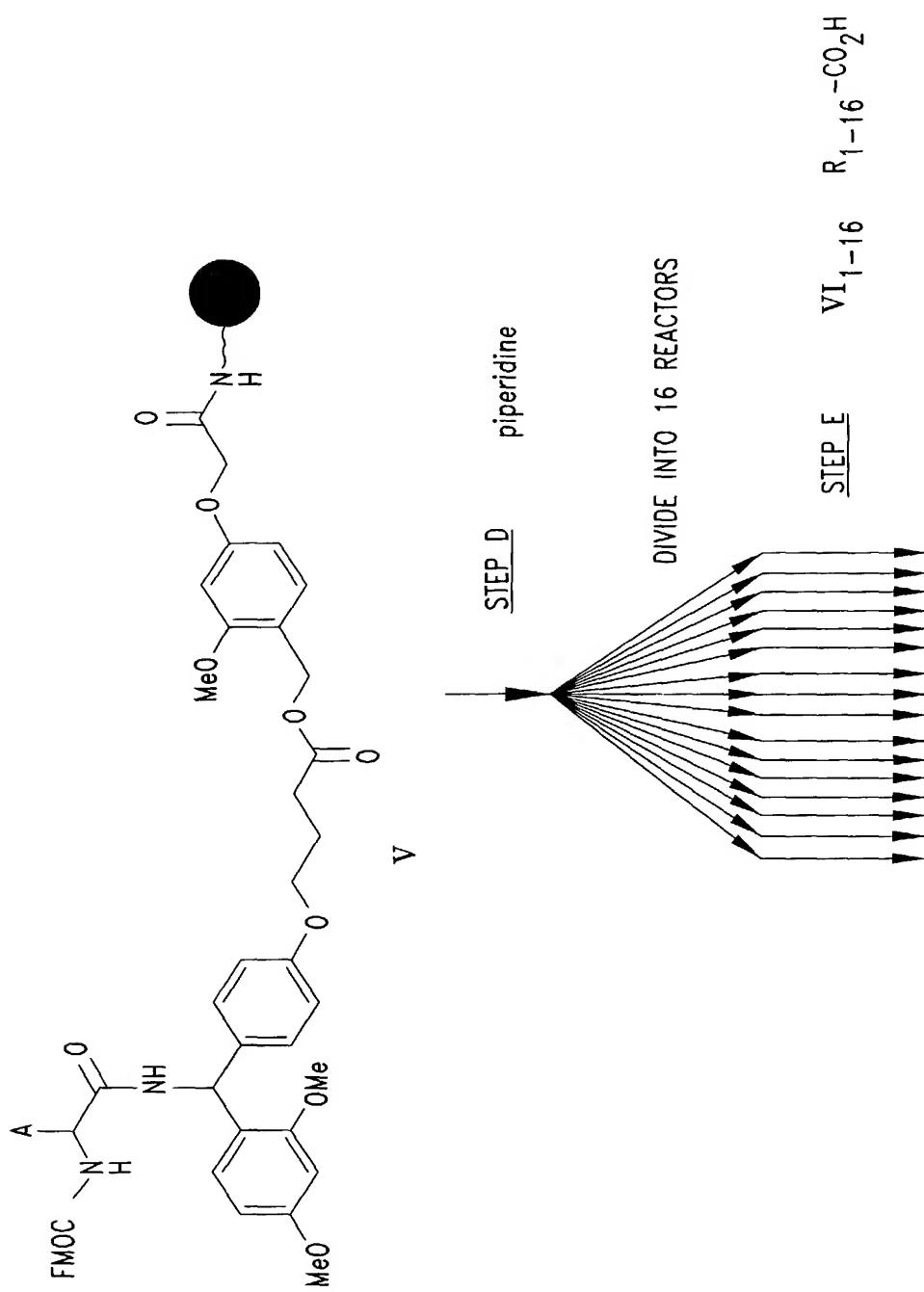


Fig. 1B

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS
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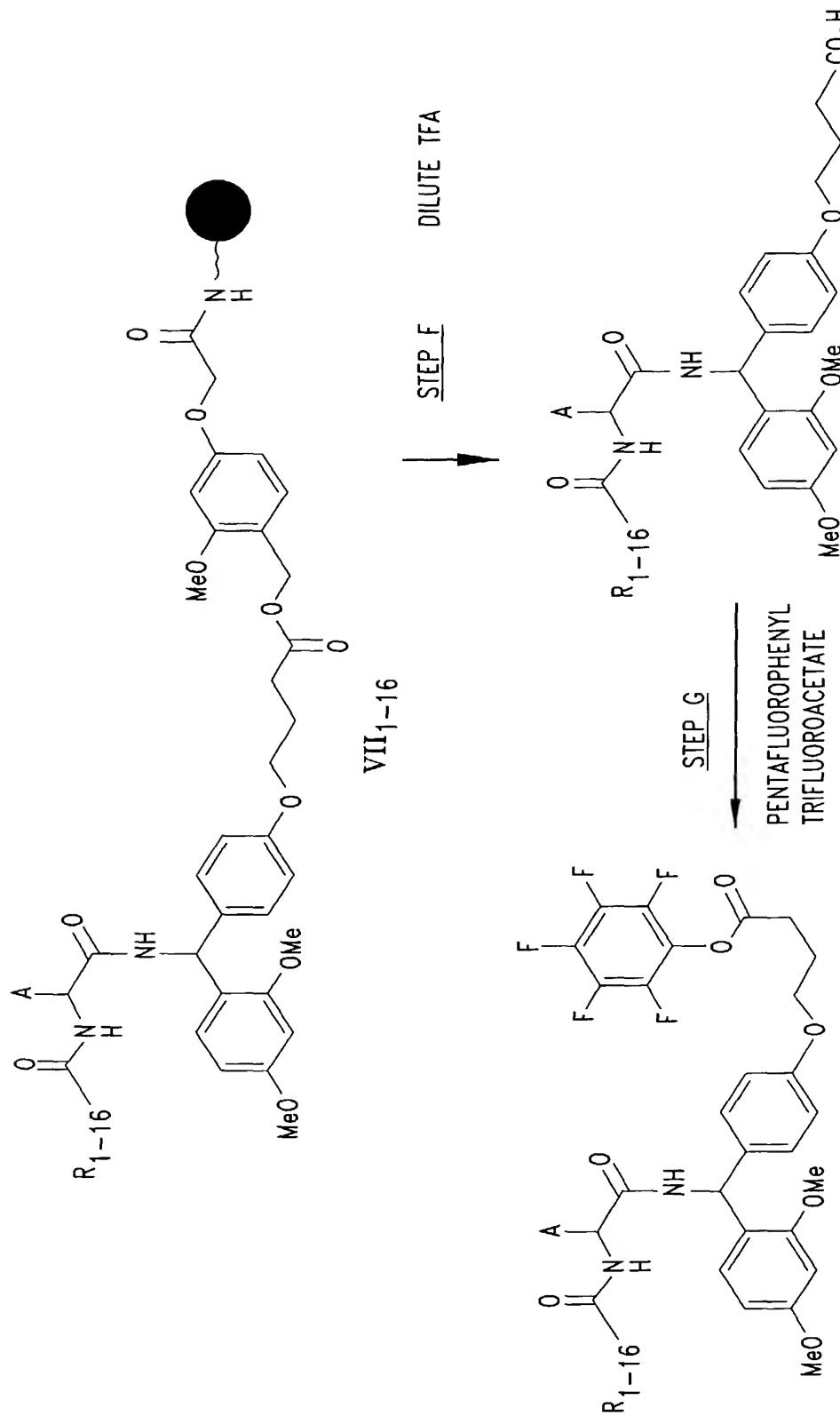


Fig. 1C

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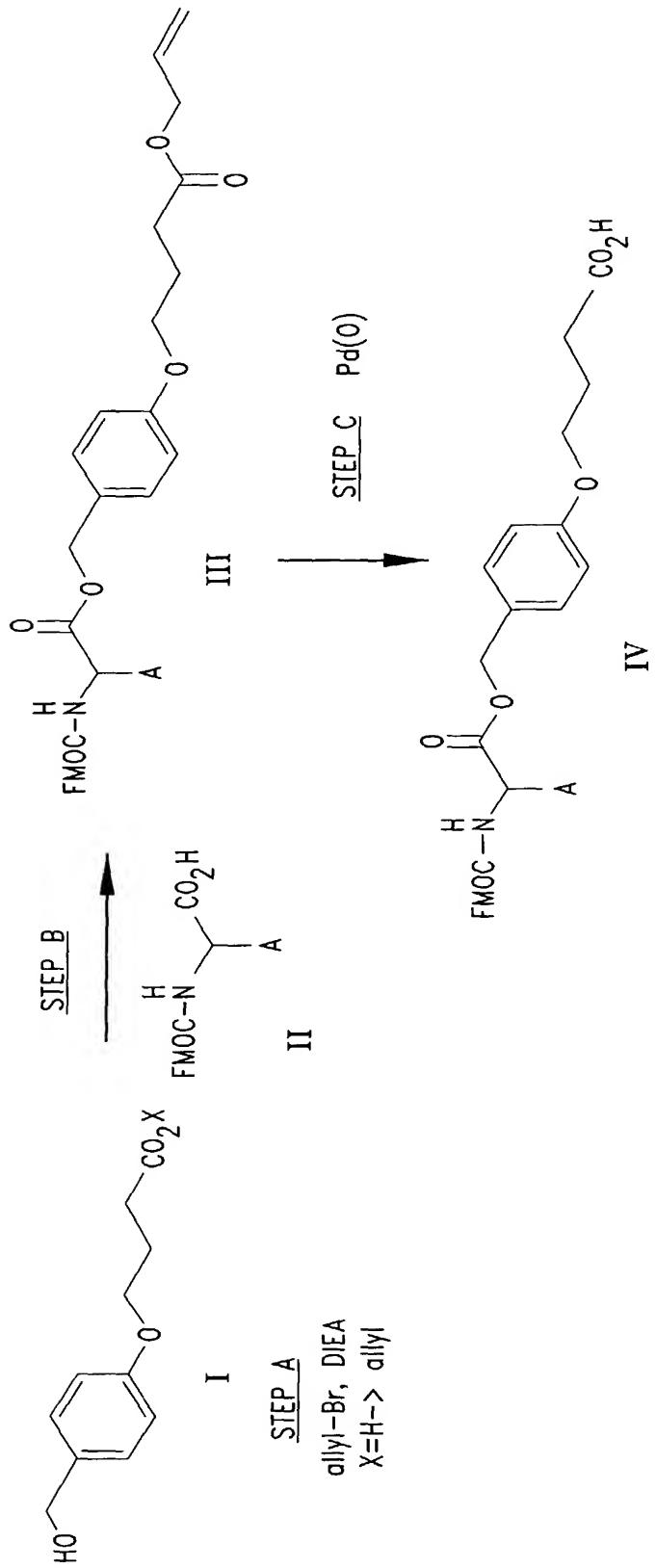


Fig. 2A

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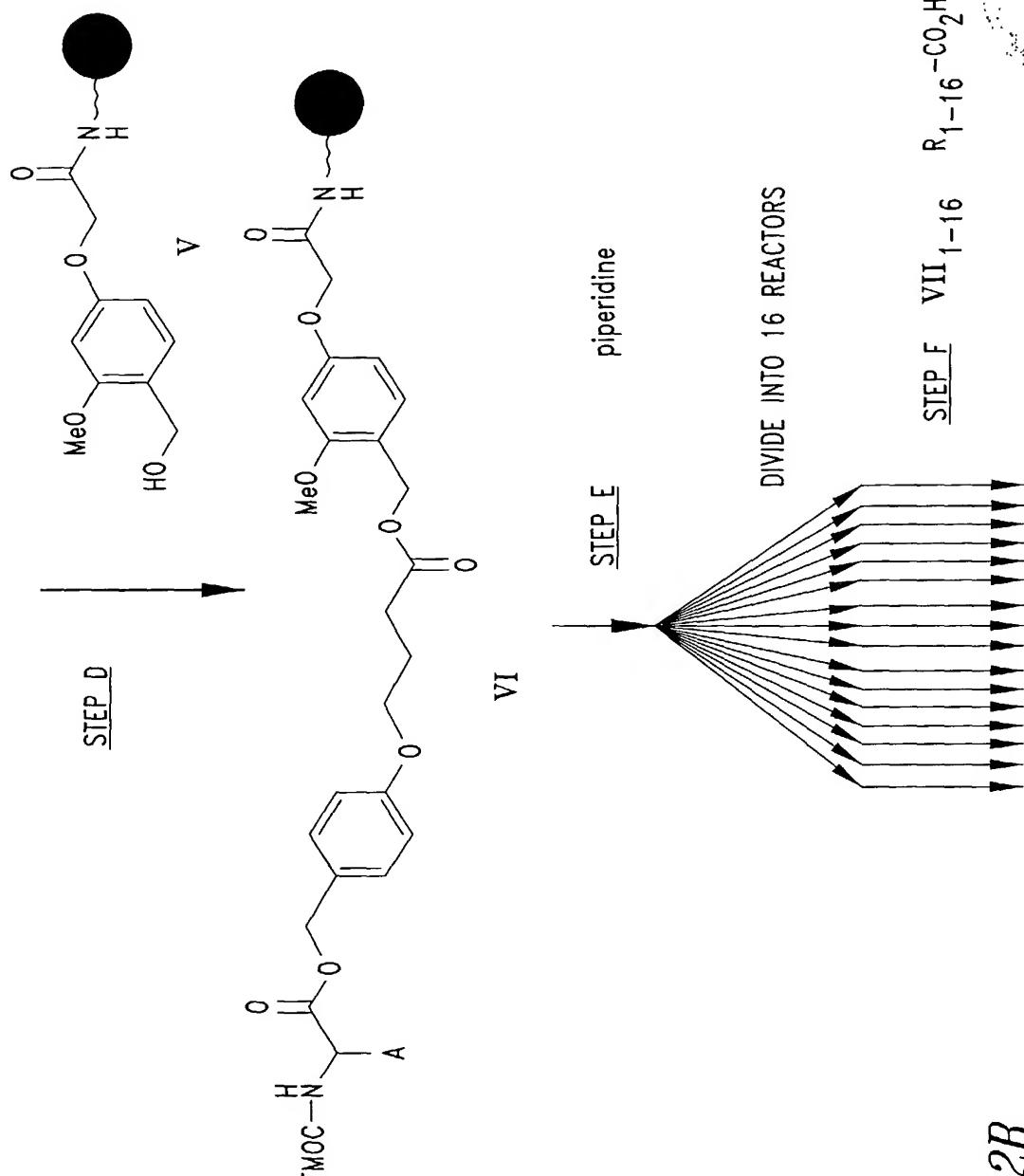


Fig. 2B

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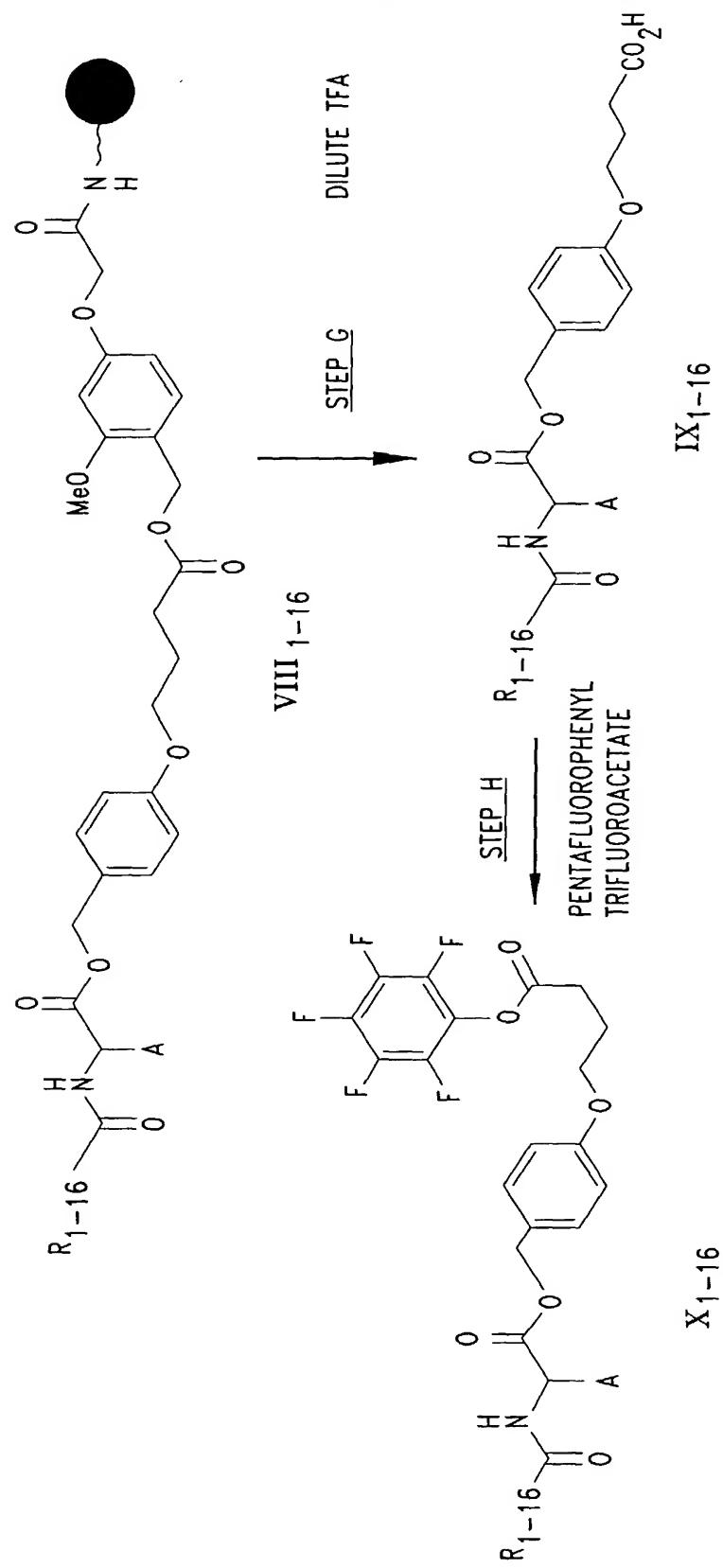


Fig. 2C

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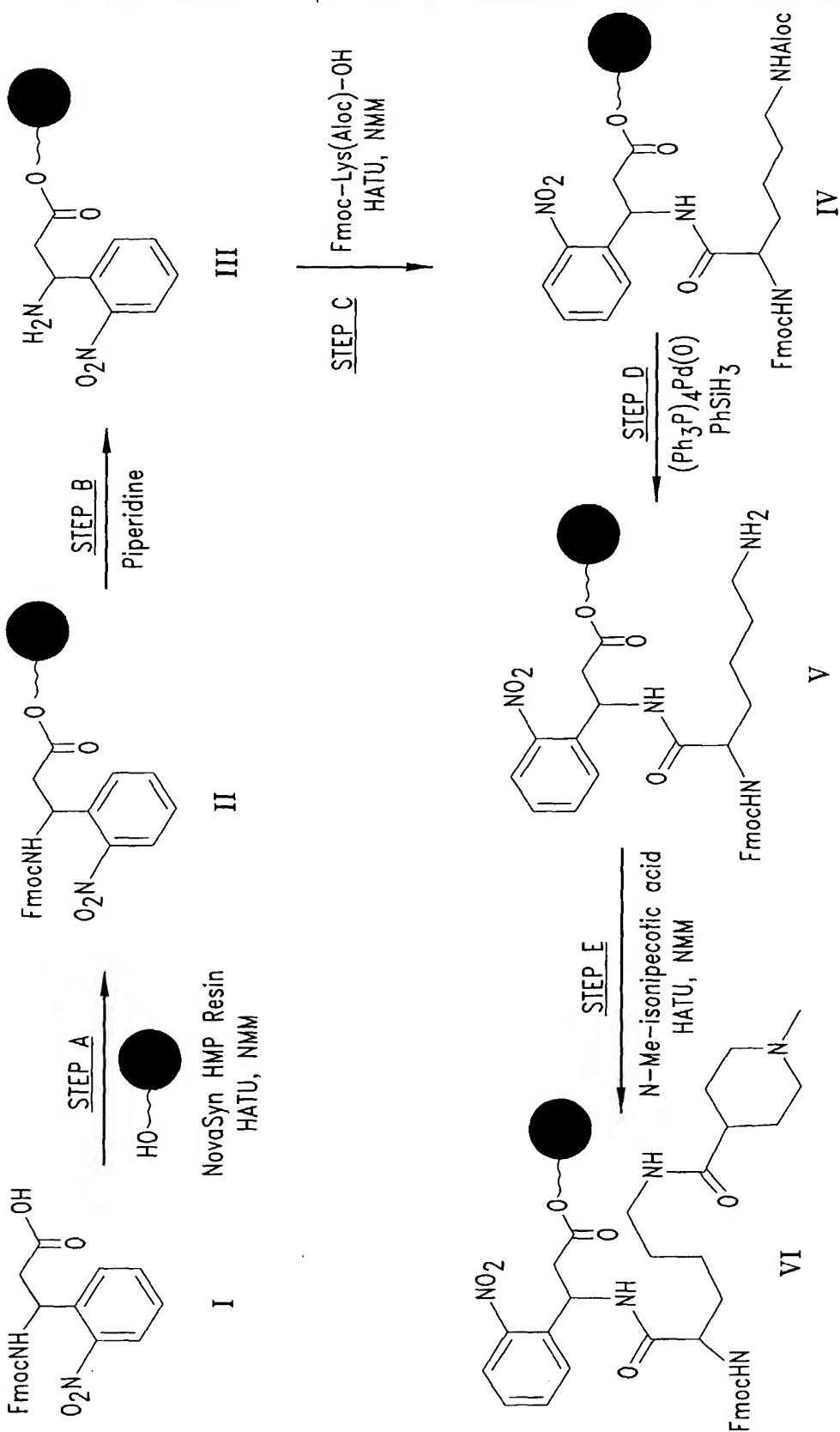


Fig. 3A

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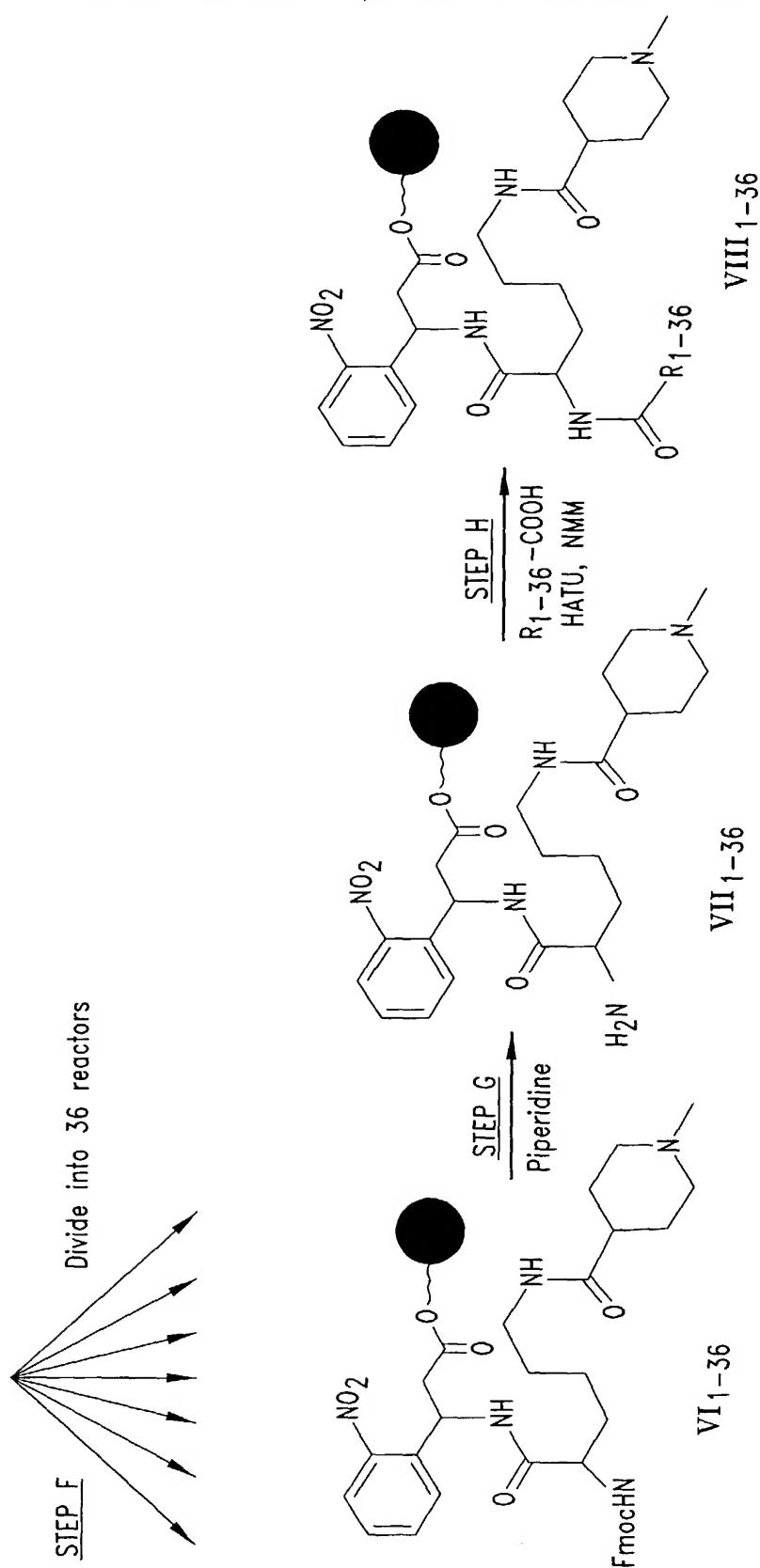


Fig. 3B

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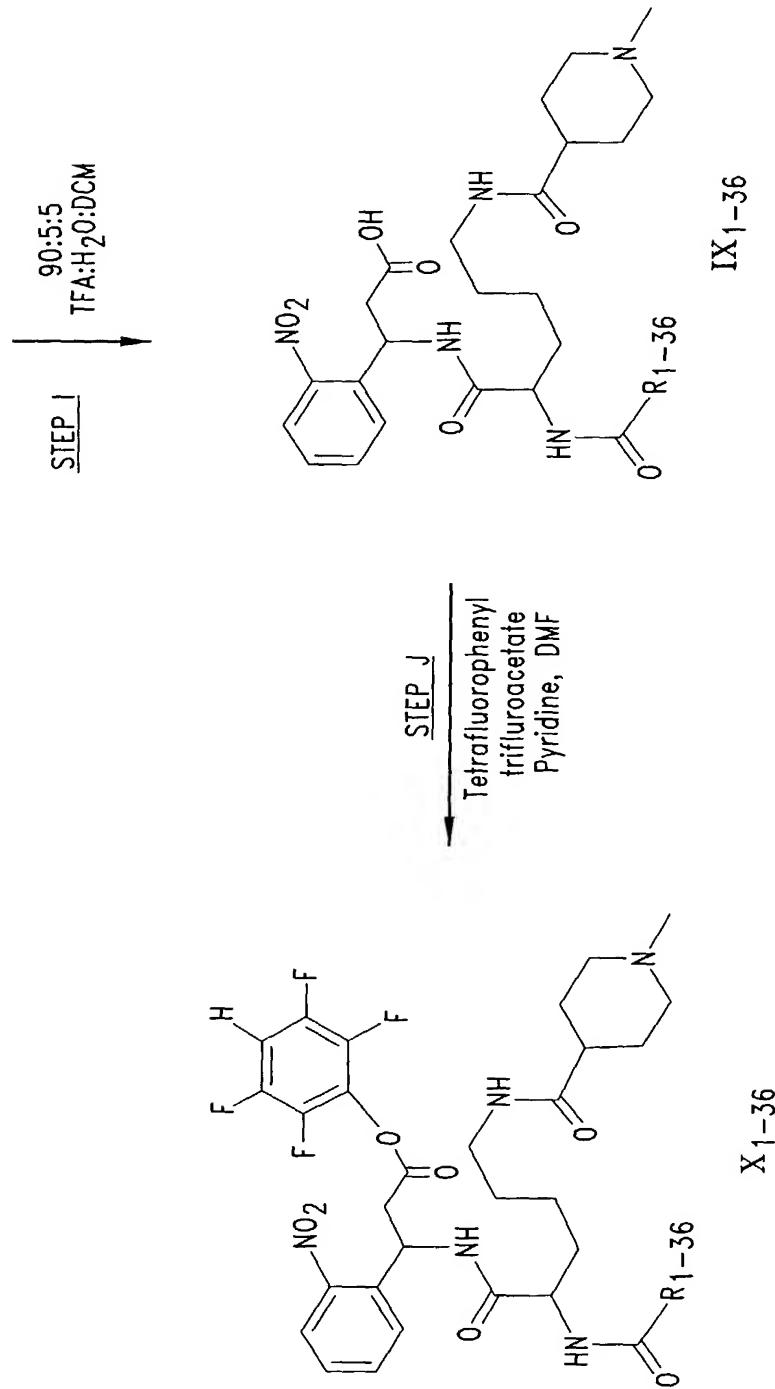


Fig. 3C

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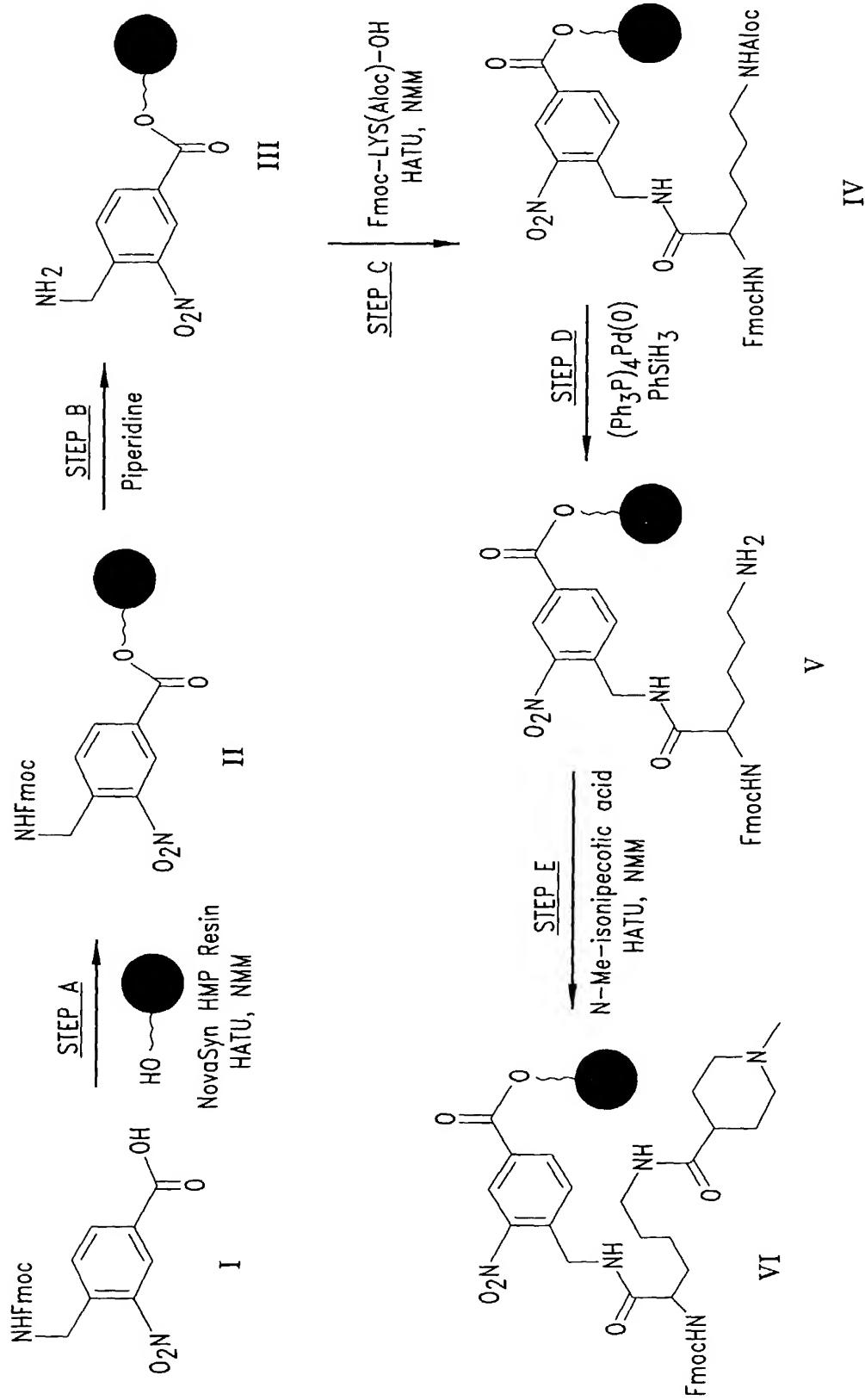


Fig. 4A

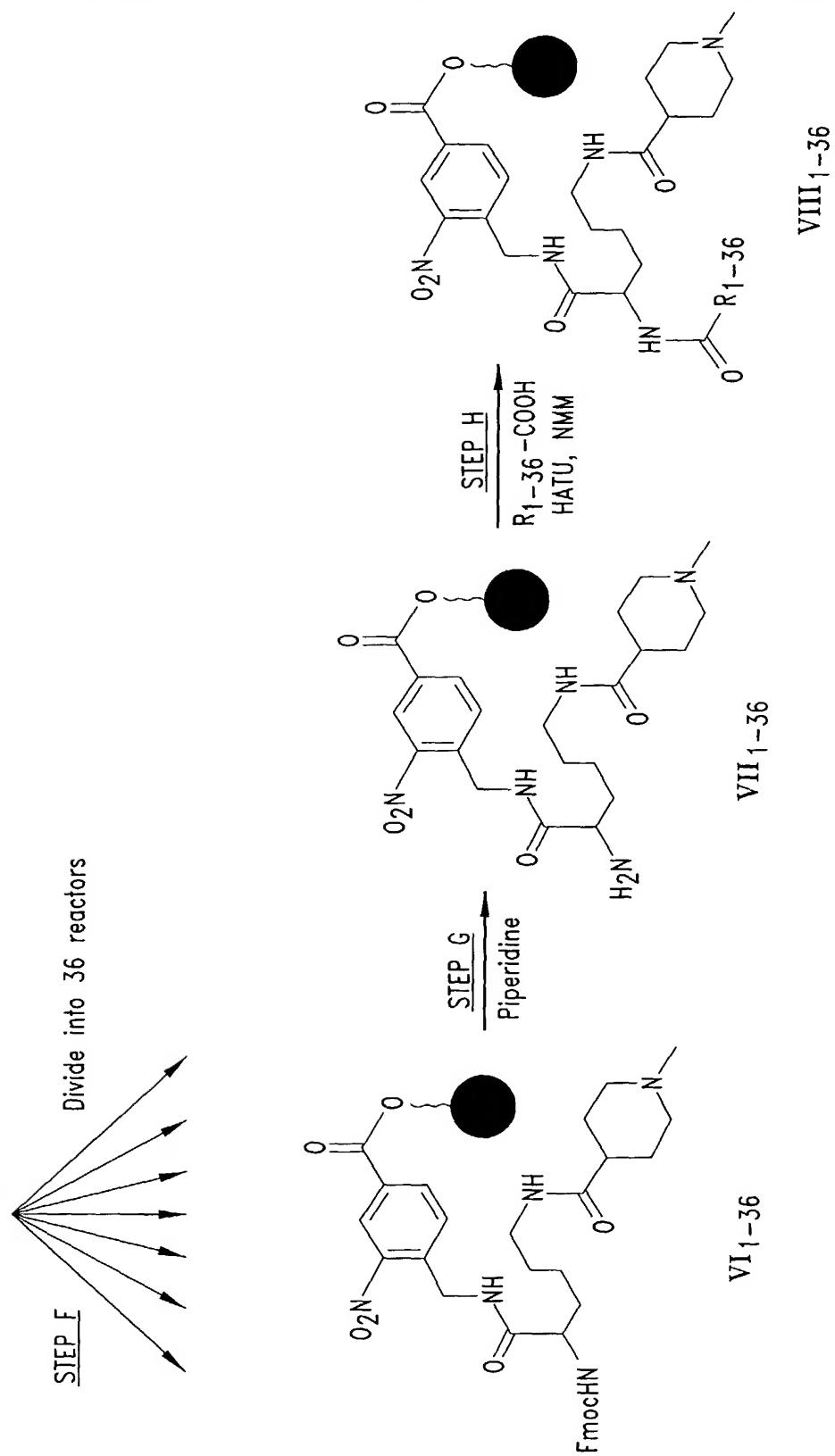


Fig. 4B

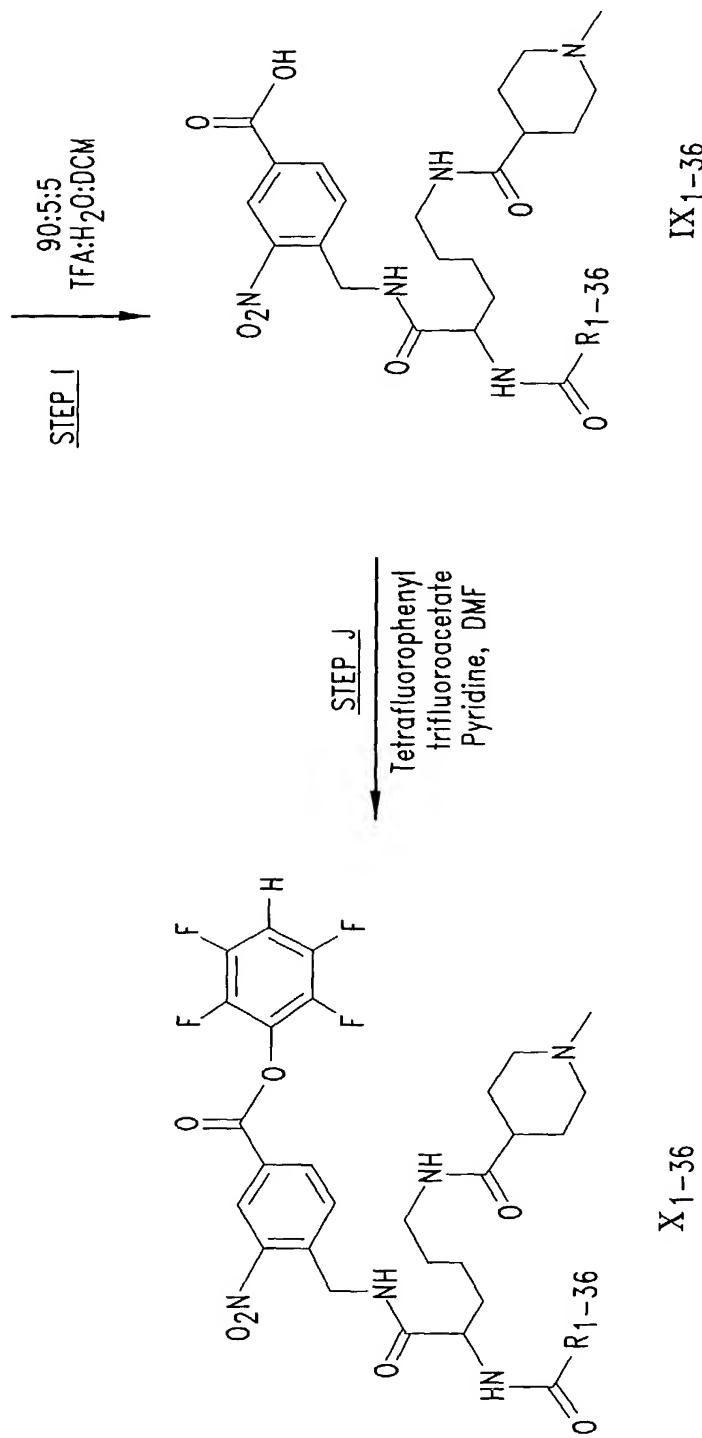


Fig. 4C

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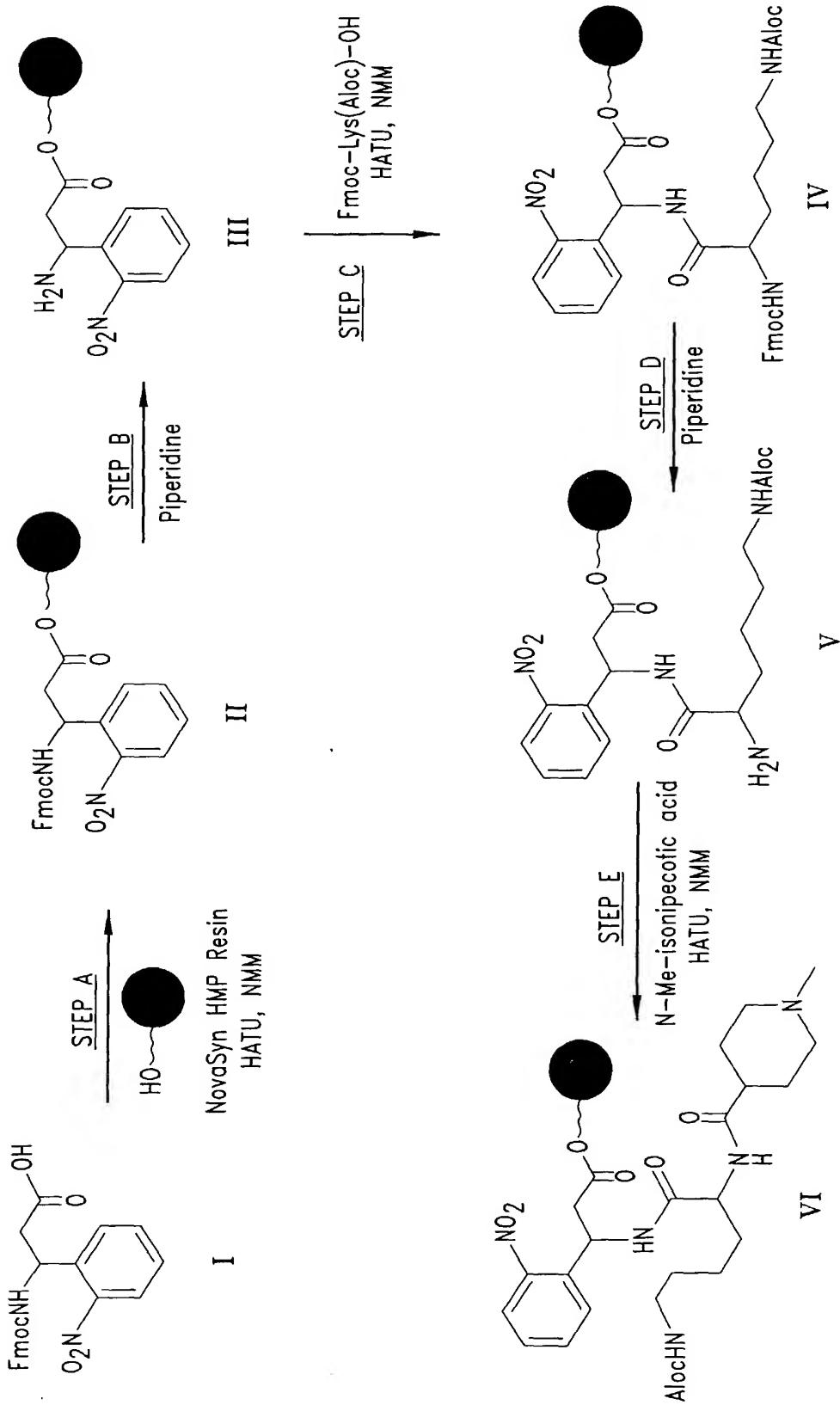


Fig. 5A

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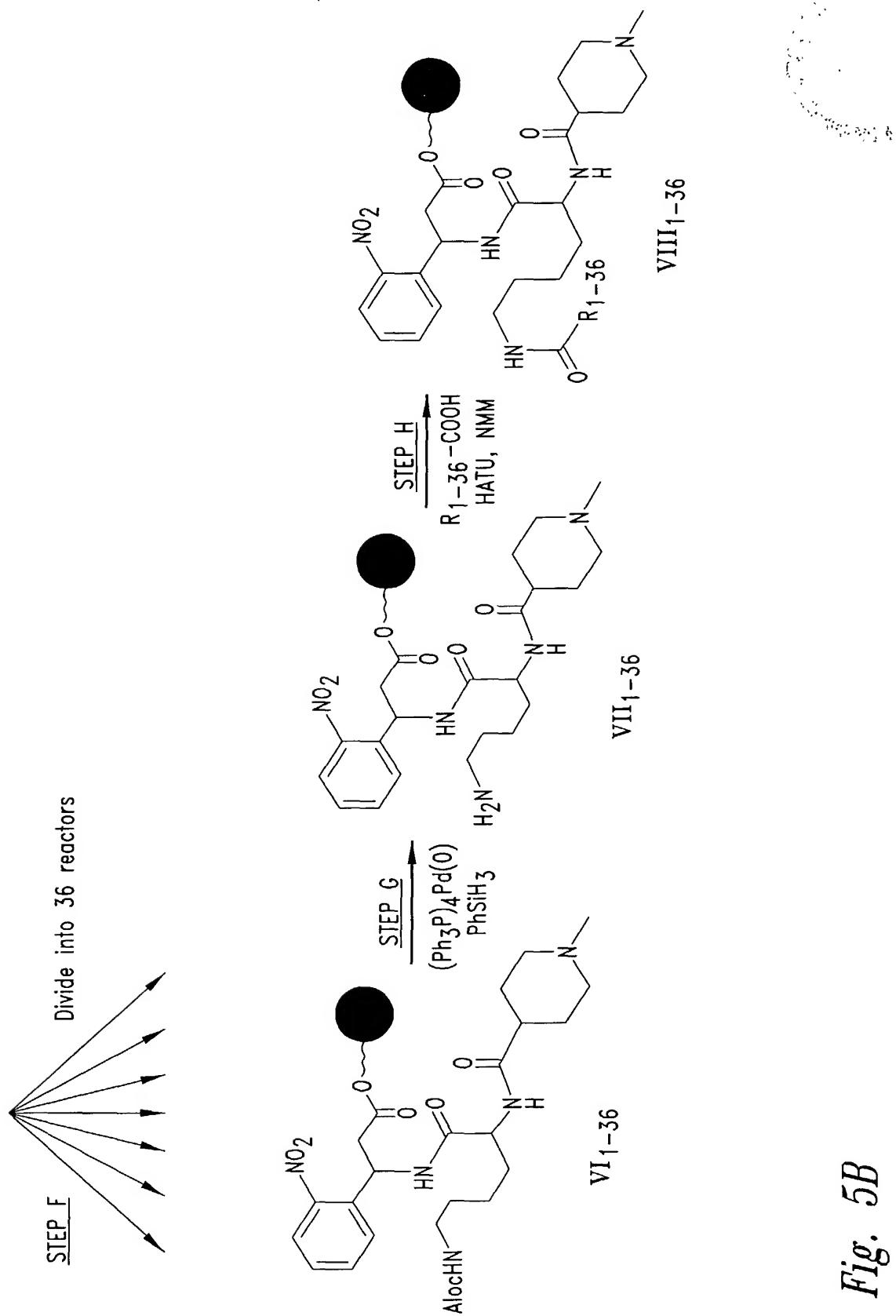


Fig. 5B

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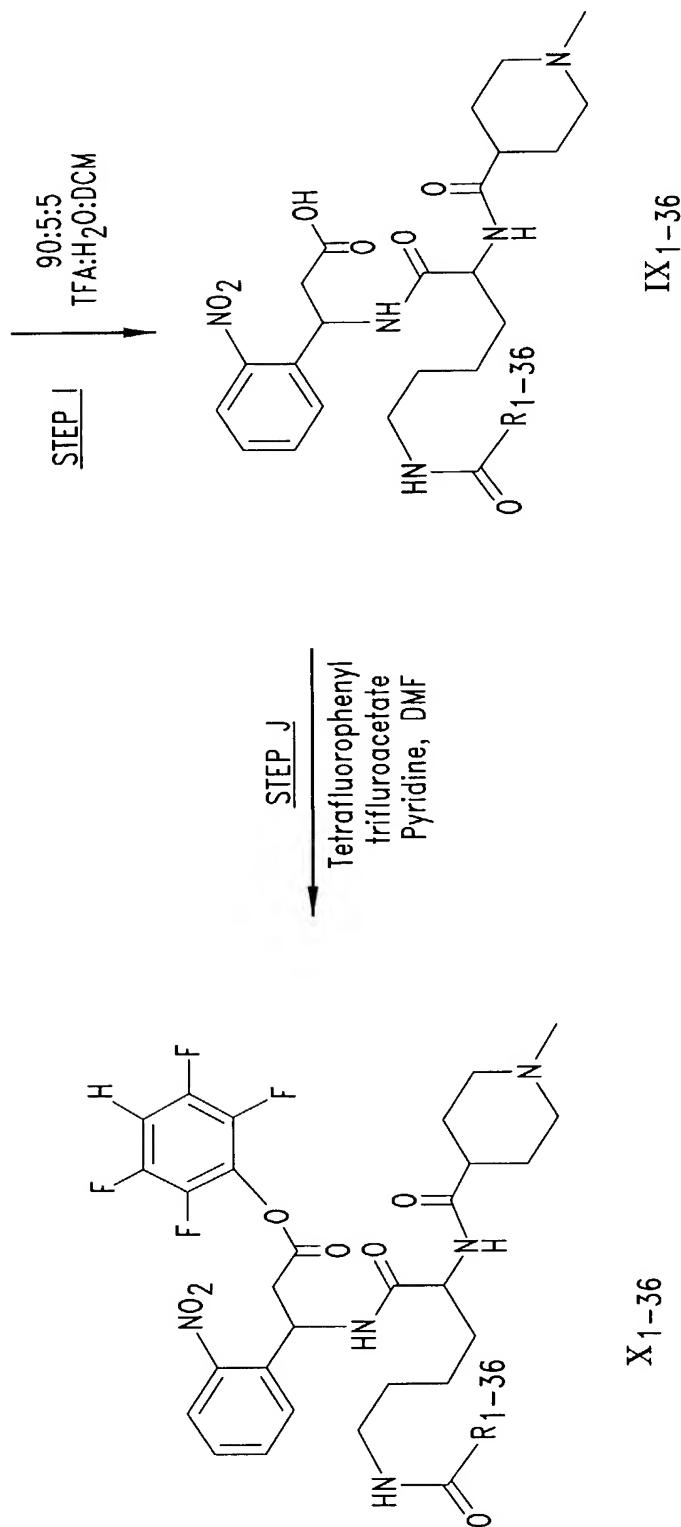


Fig. 5C

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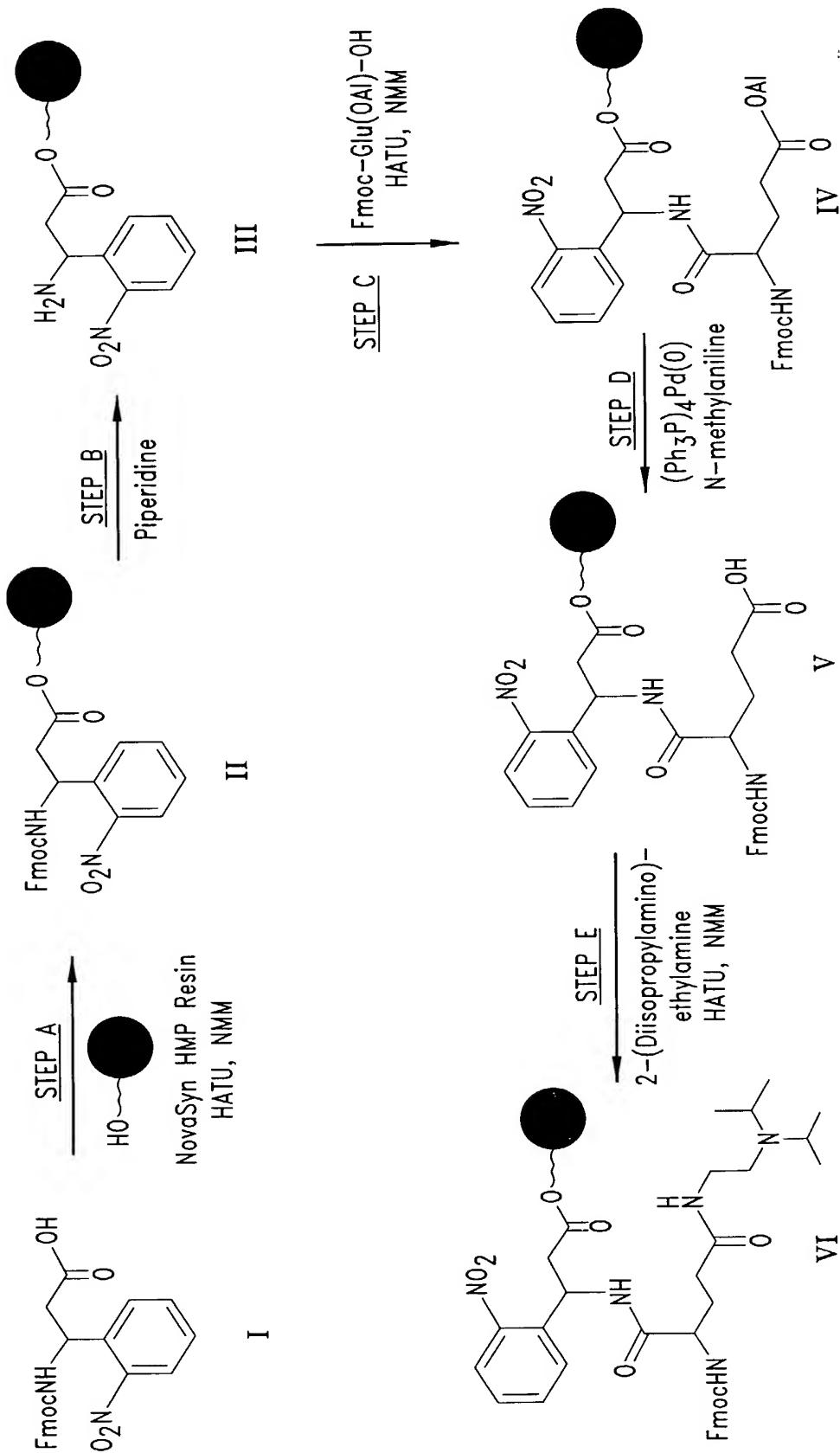


Fig. 6A

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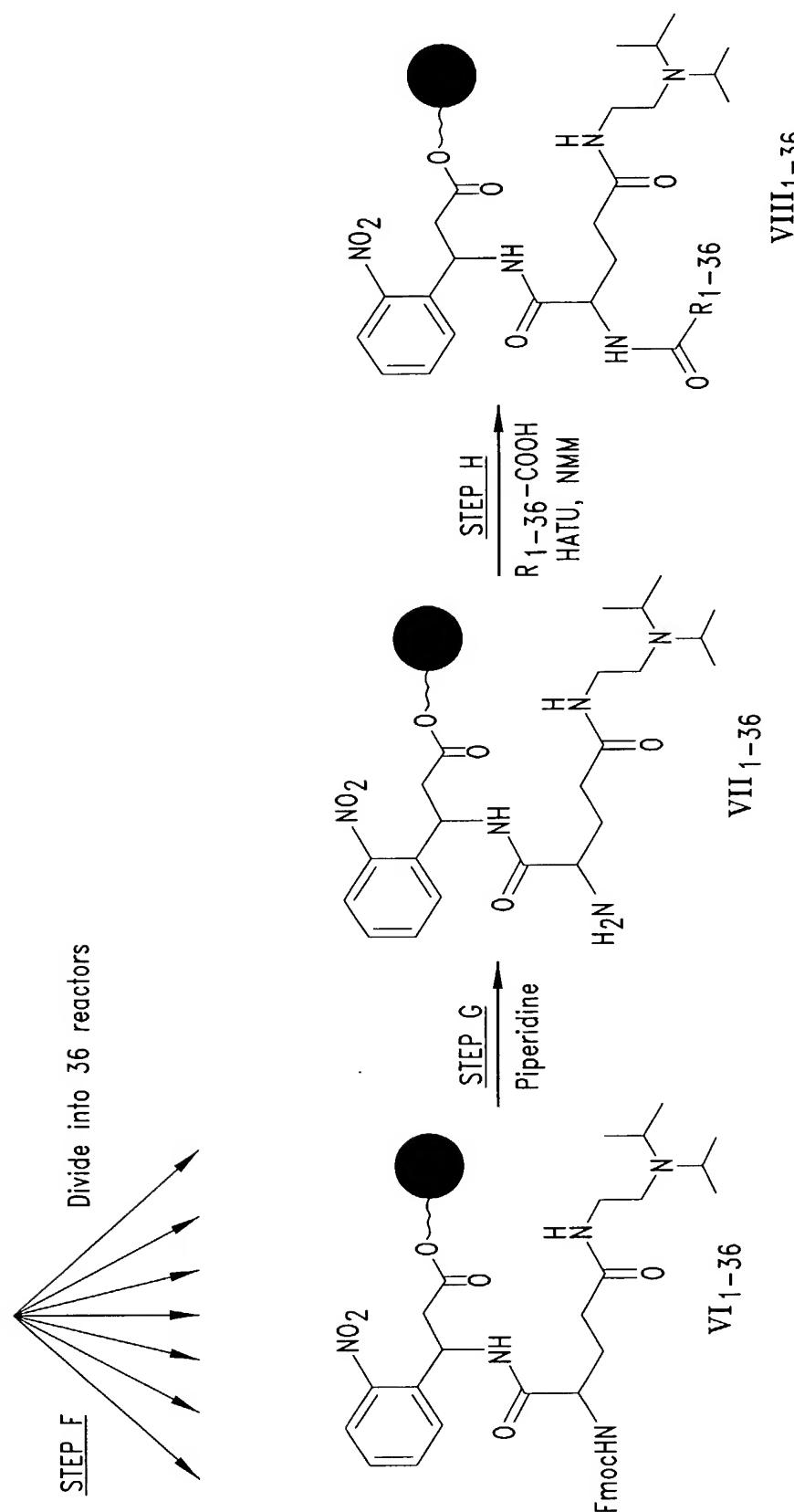


Fig. 6B

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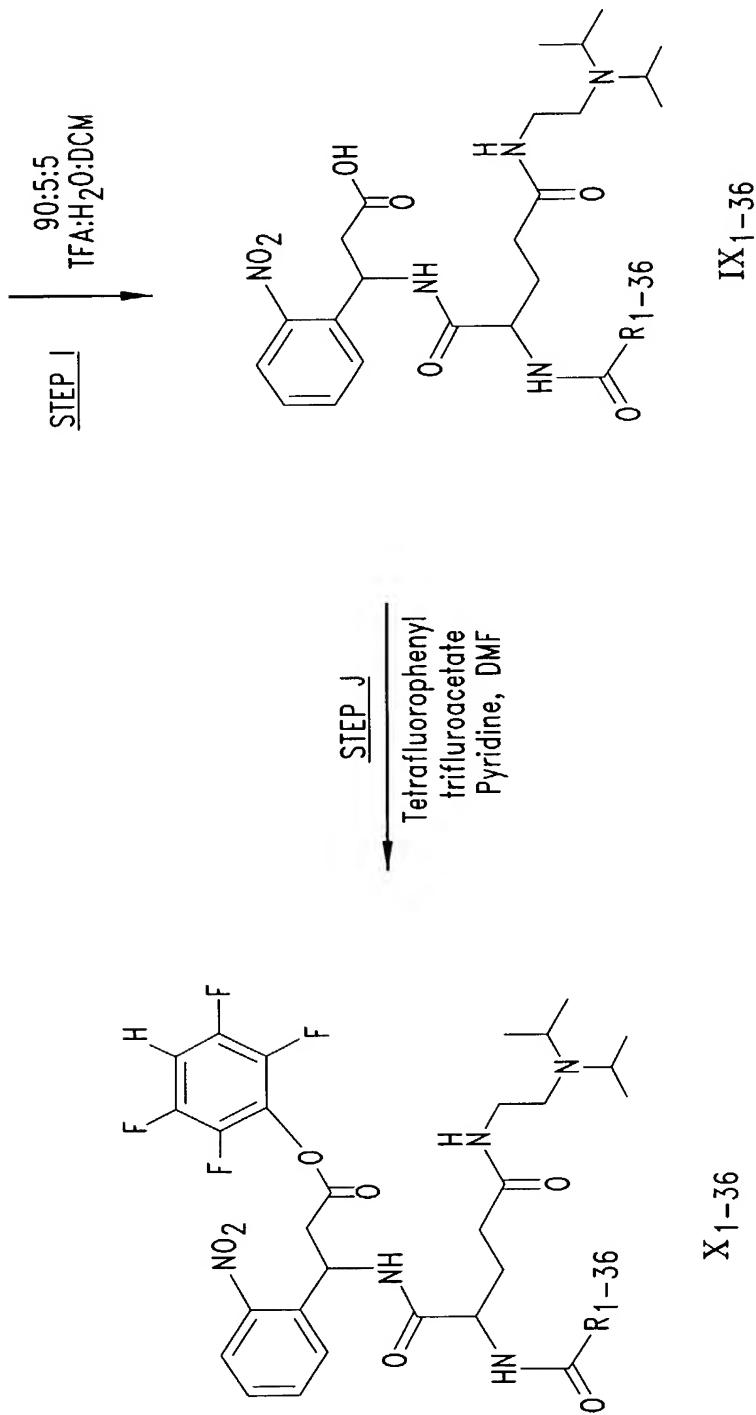


Fig. 6C

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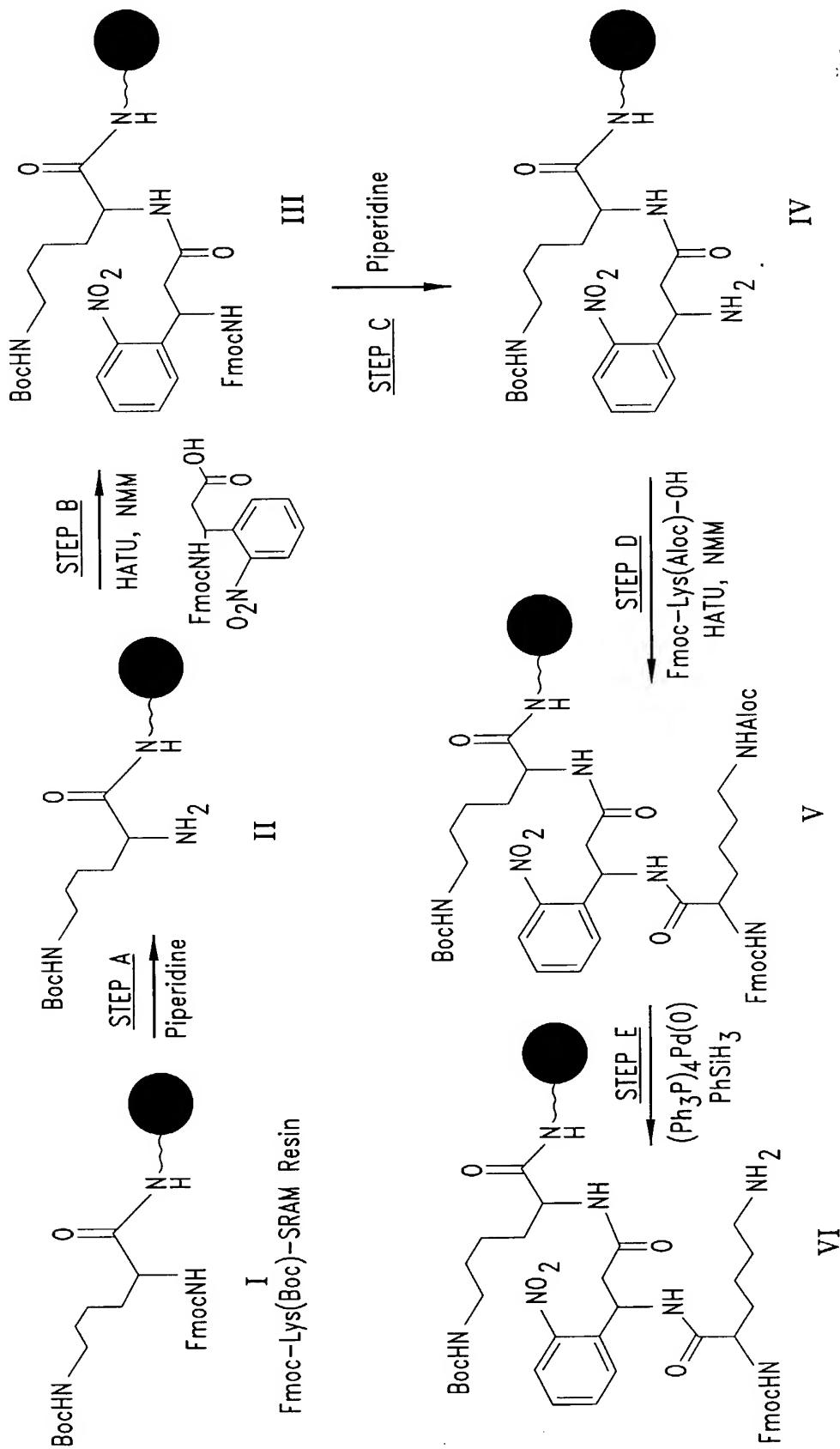


Fig. 7A

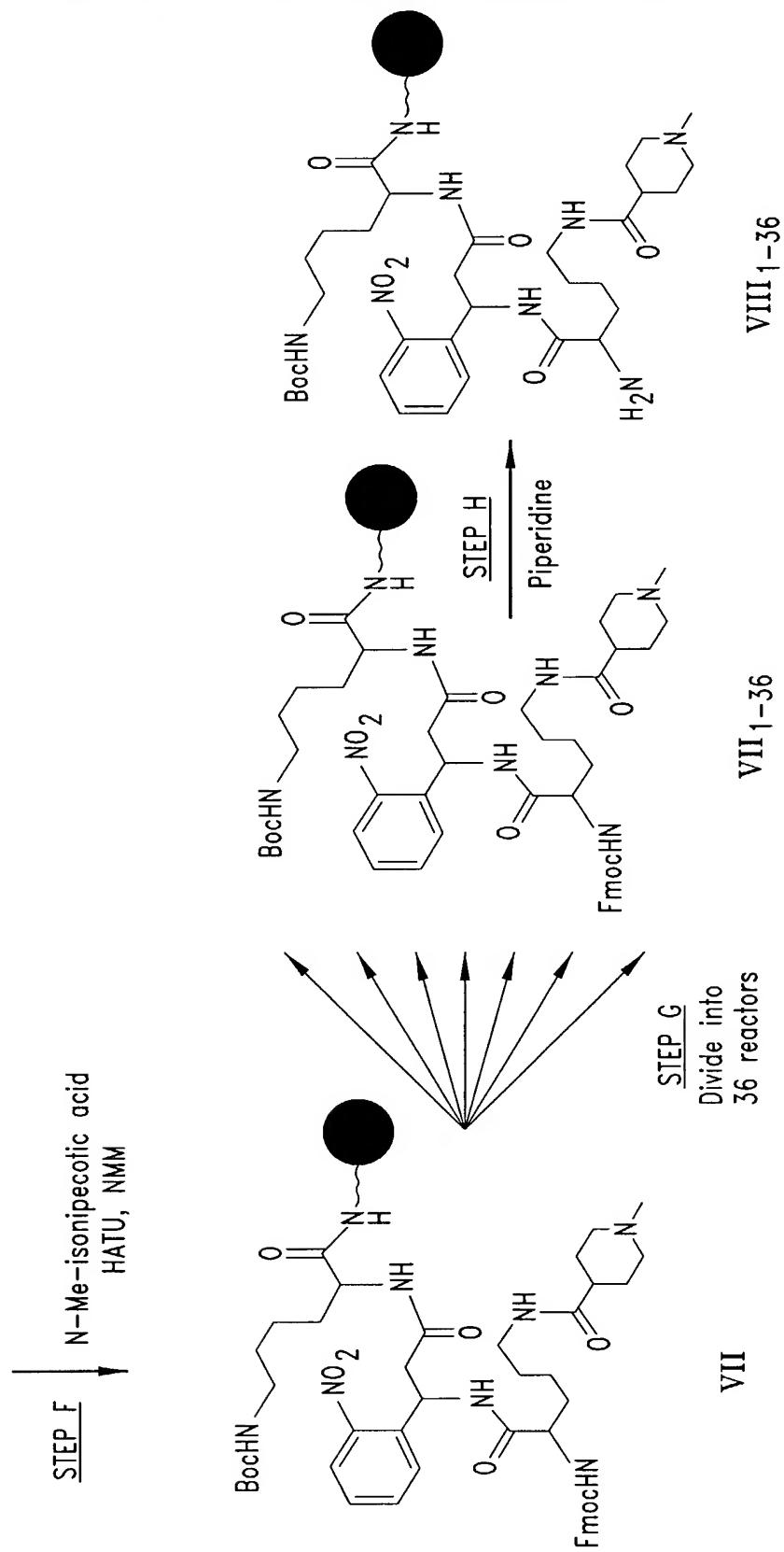


Fig. 7B

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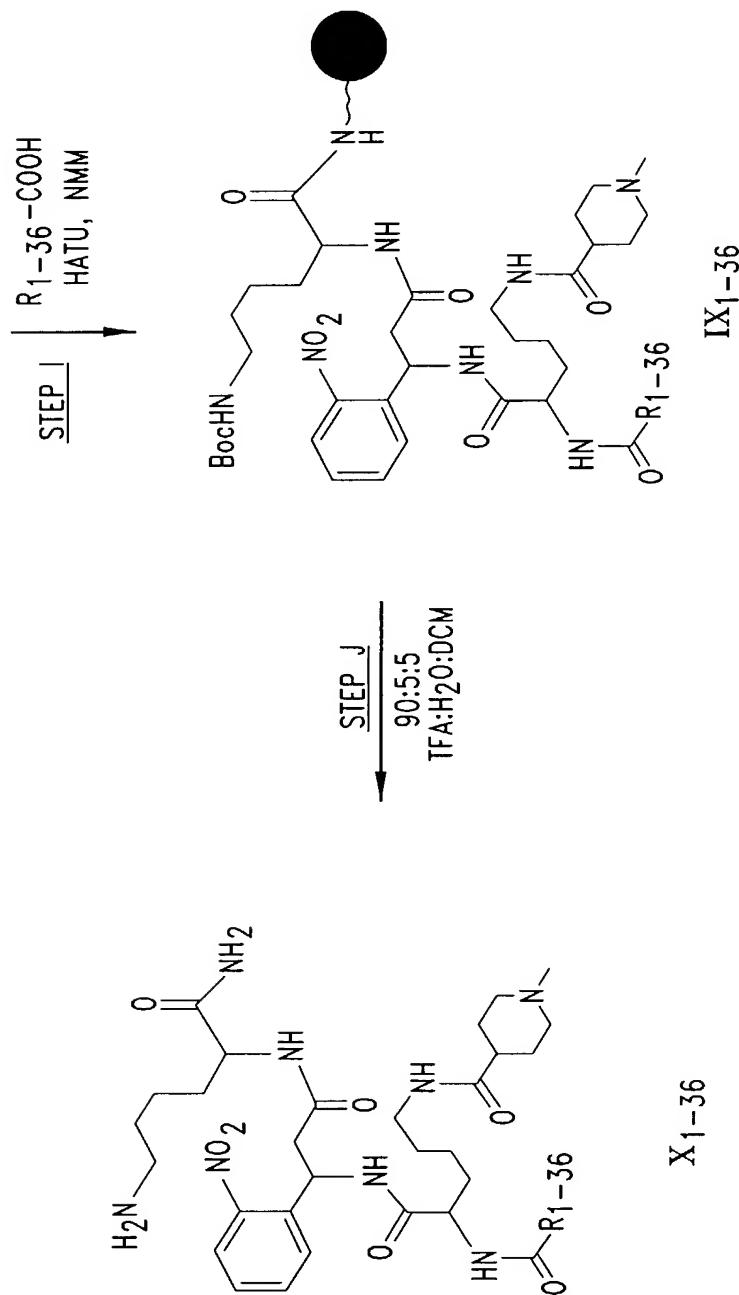


Fig. 7C

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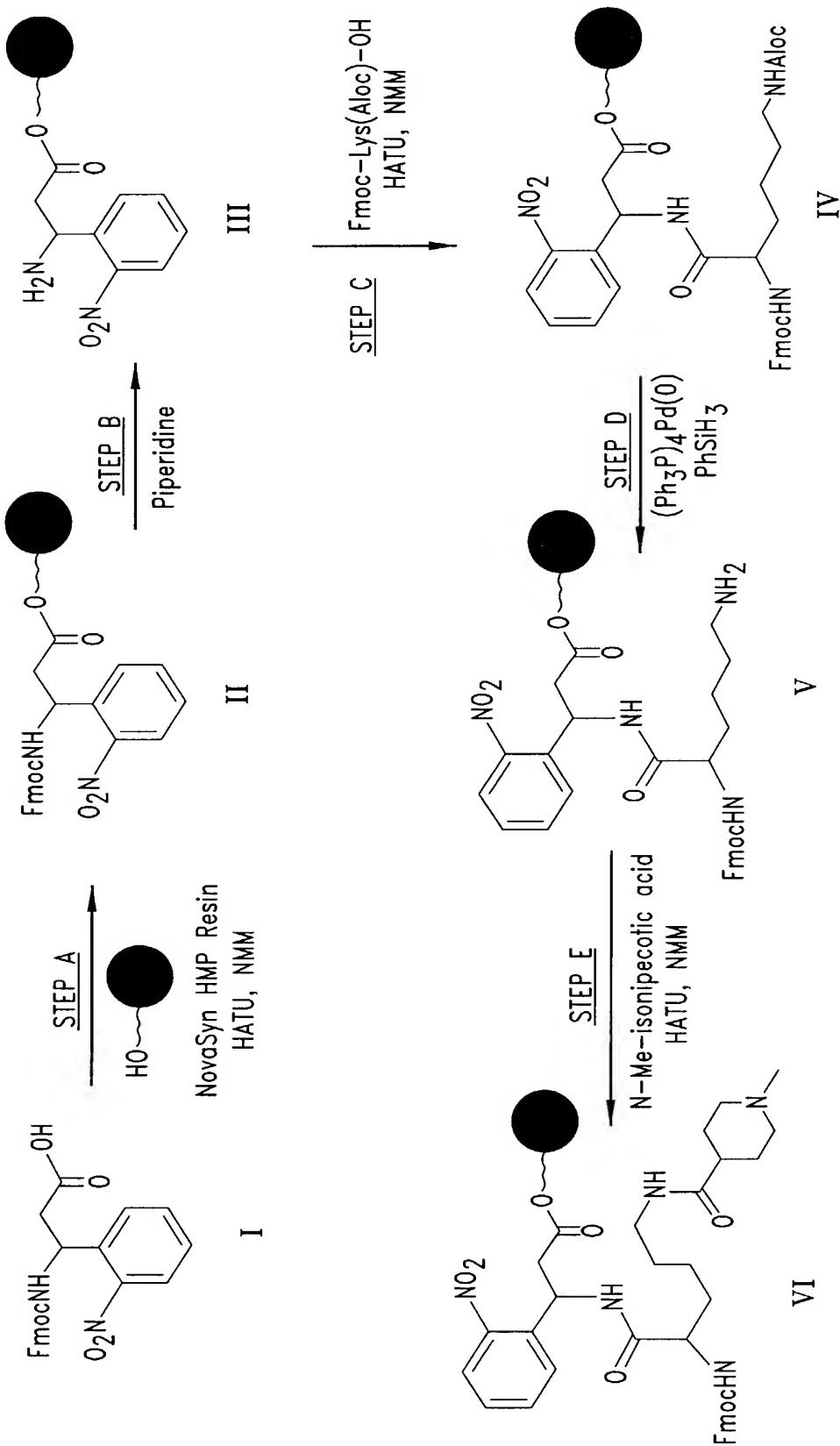


Fig. 8A

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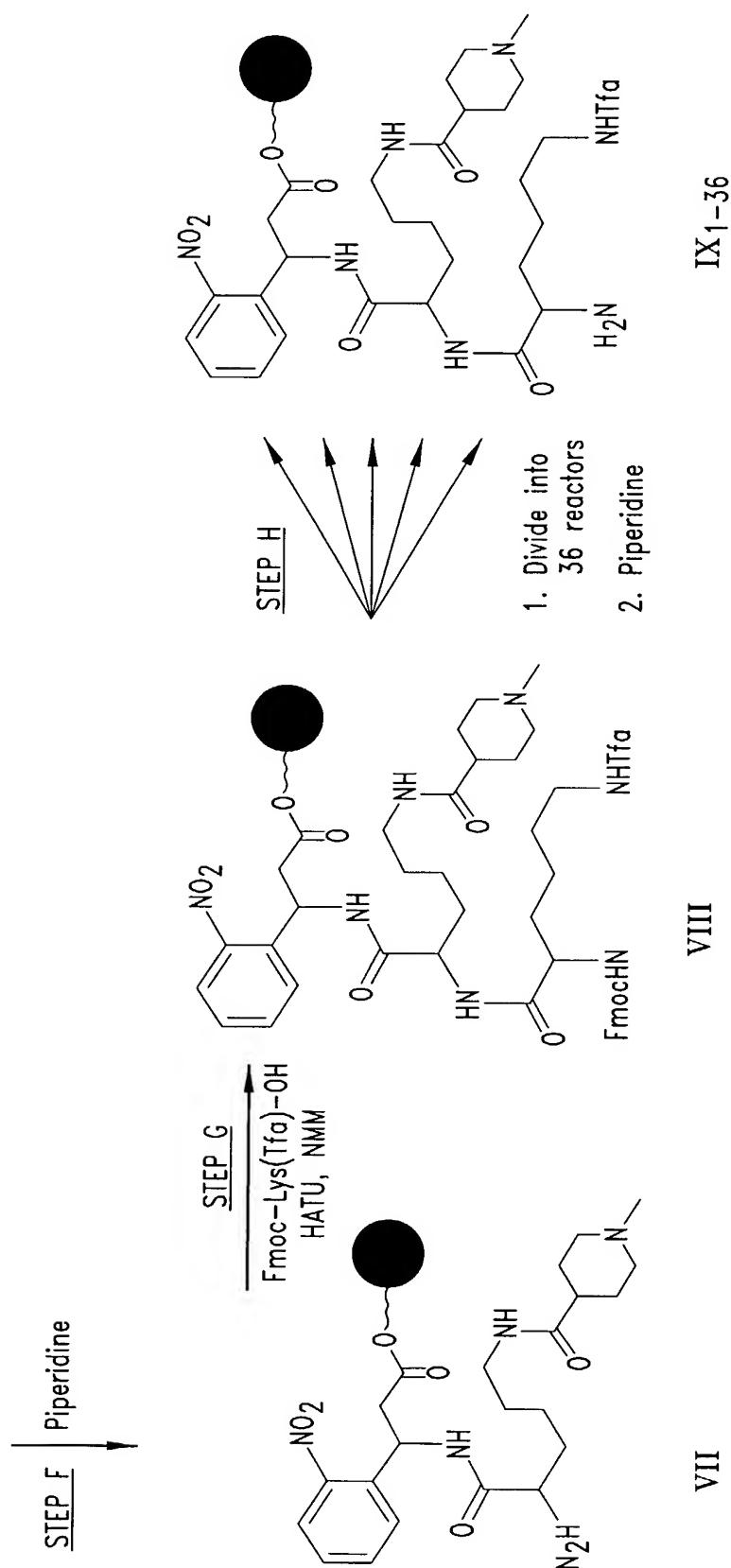


Fig. 8B

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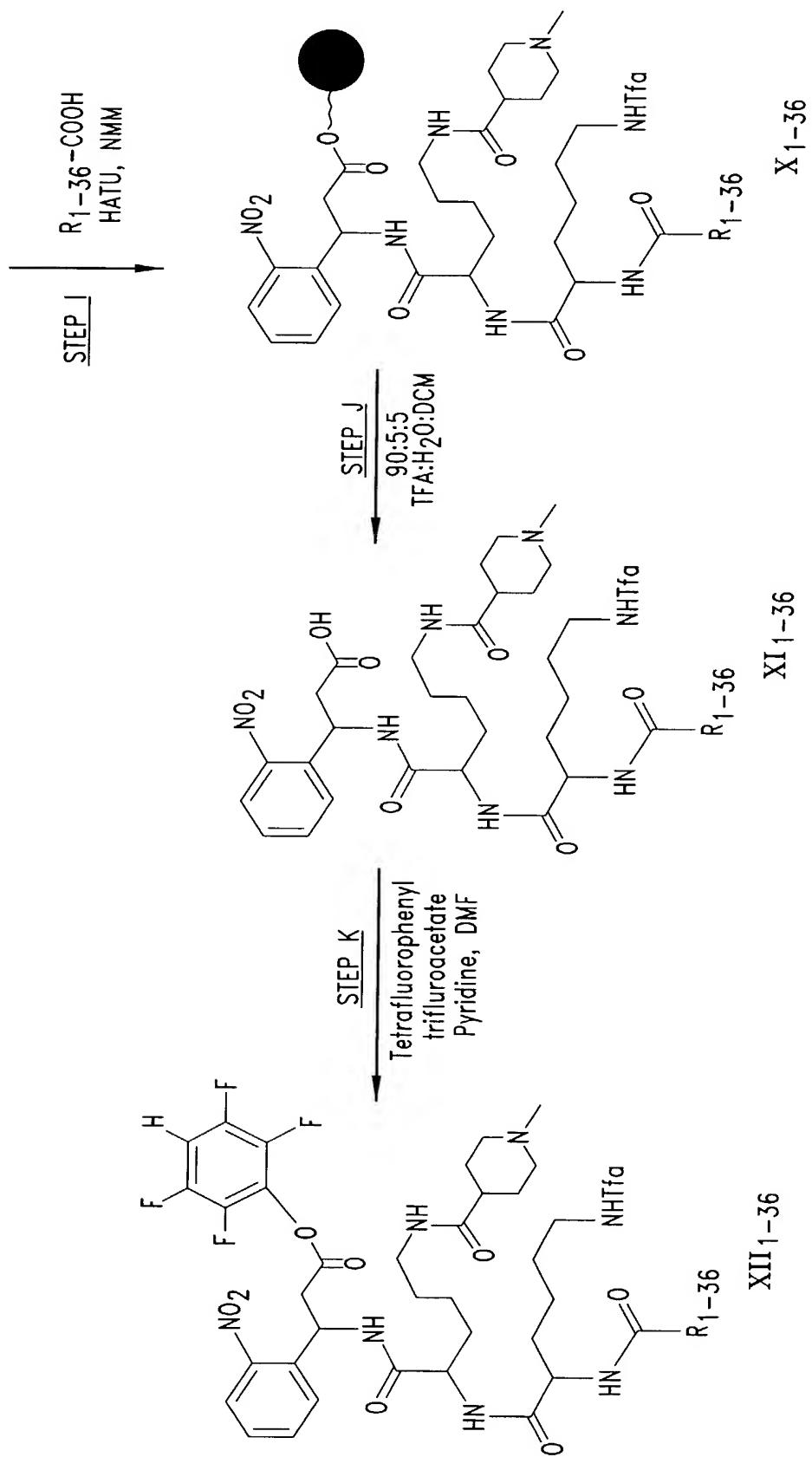
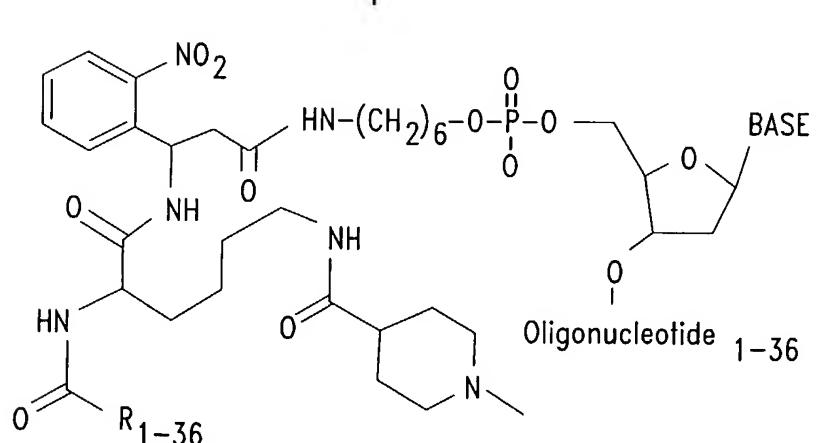
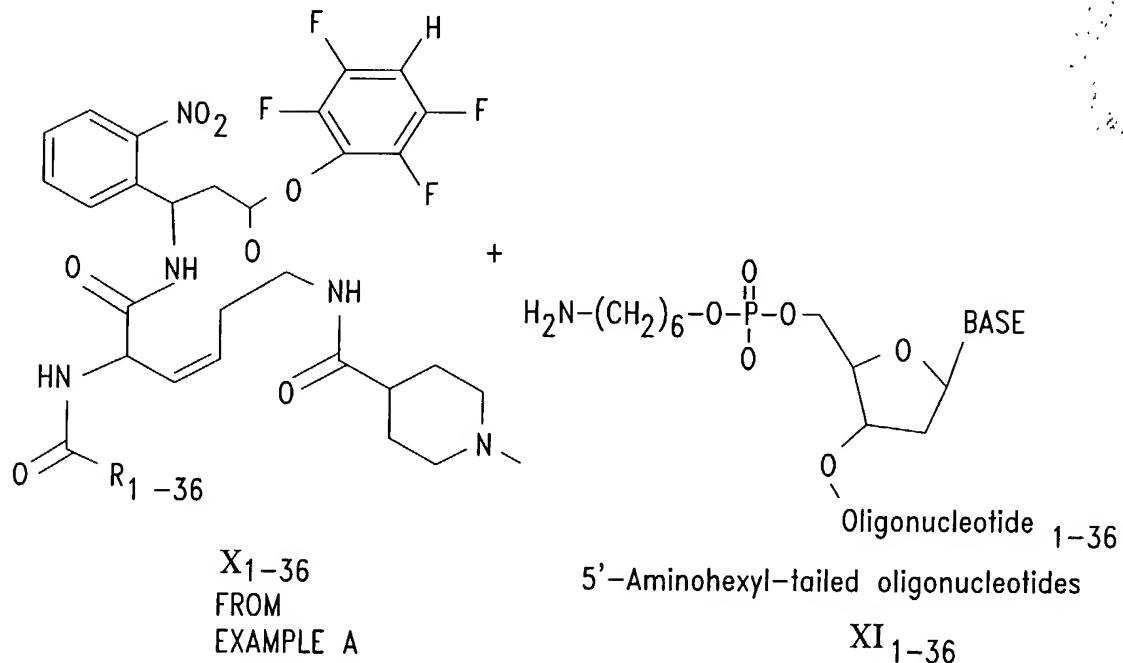


Fig. 8C

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5'-CMST-Oligonucleotide Conjugate
XII₁₋₃₆

Fig. 9

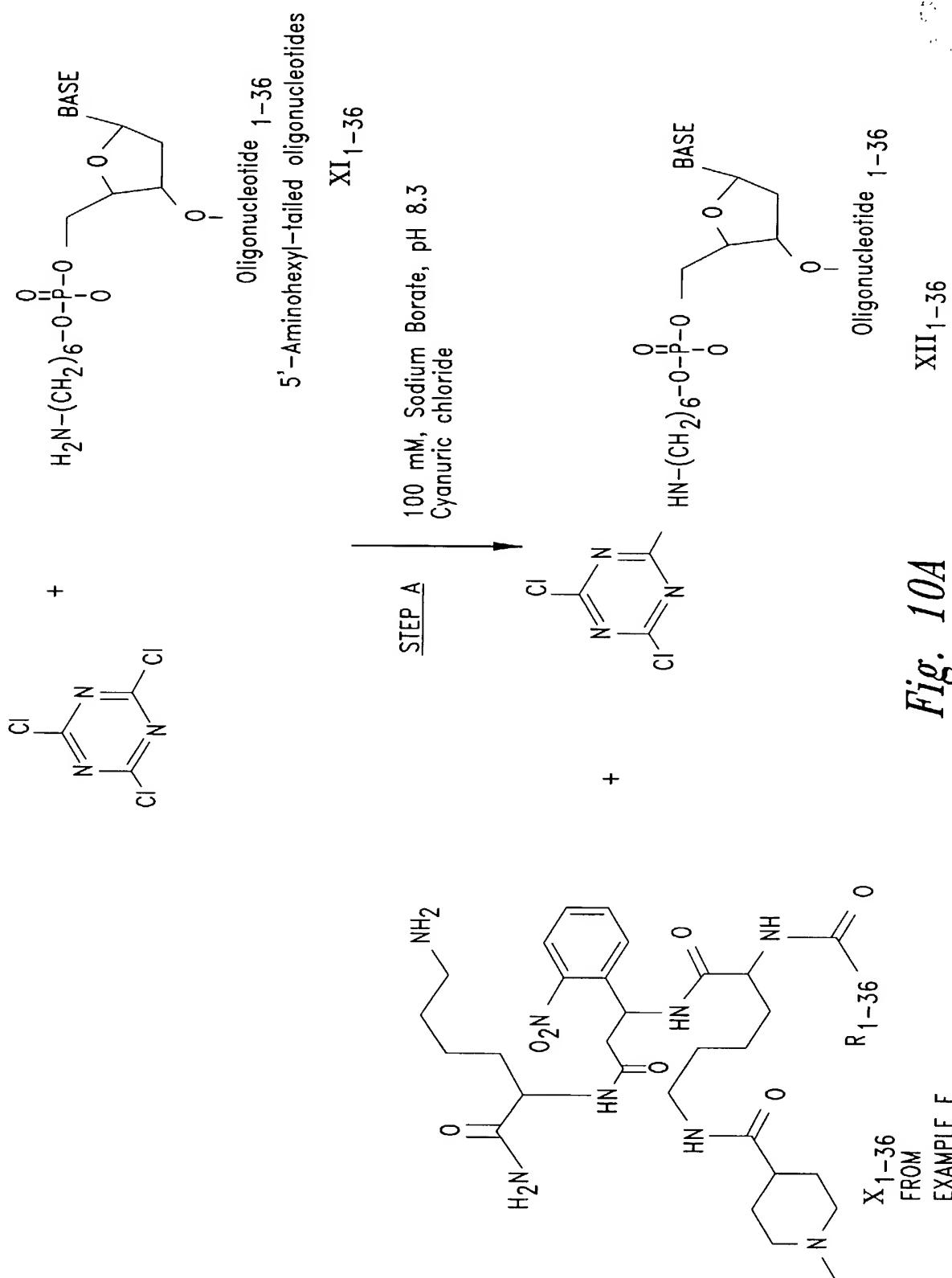
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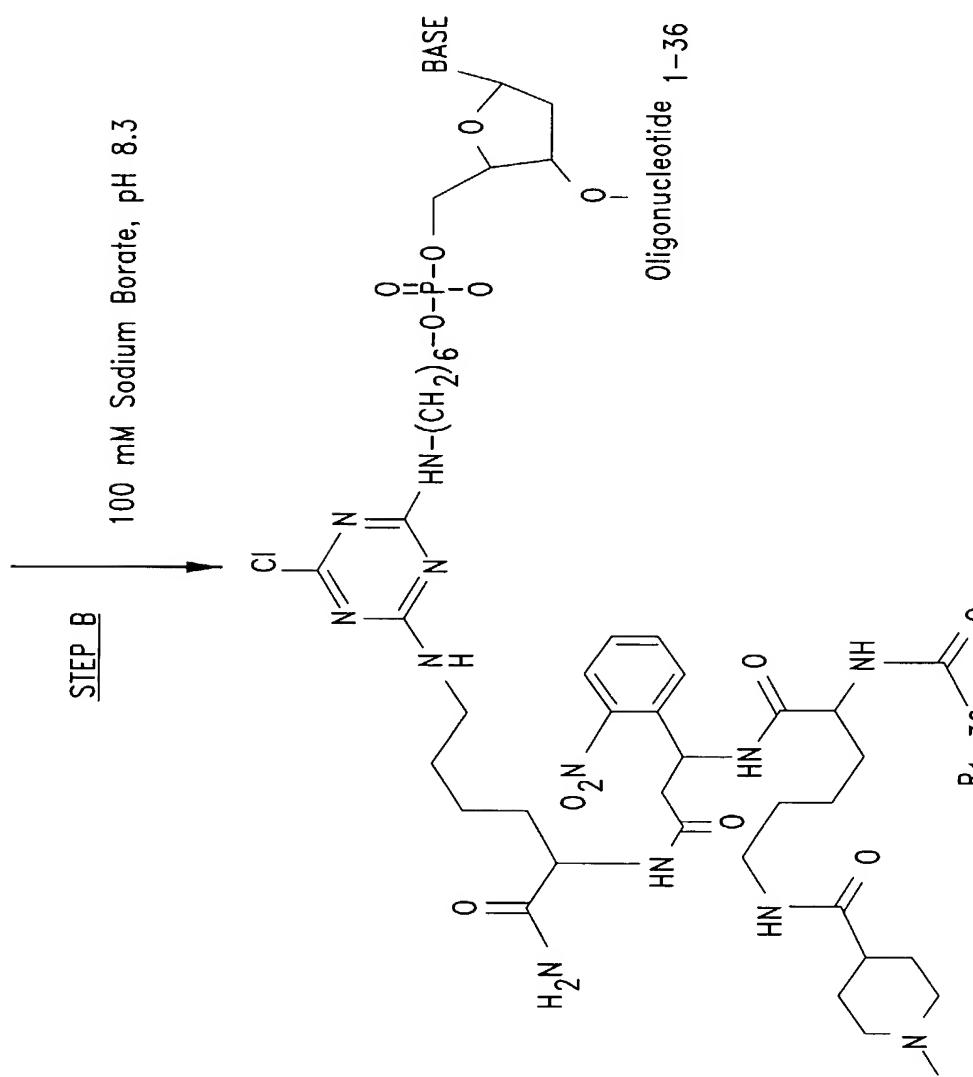


Fig. 10B

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Docket No. 780068.418C3

INSTRUM	dmc_1
Opid	SMPNAM
AQ_DATE	Mon Nov 20 16:45:13 1995
OSSPATH	/data/dsc/darwin
AQOP_m	Reflector
DW	1.0
TD	20000
NOSHOTS	25
POLARI	POS
AccE	17.50 kV
RefE	20.00 kV
RefFull	20.00 kV
UdefL	1.75 kV
UdefR	1.75 kV
UdefI	0.00 kV
PULSRP	3.00 Hz
ML1	1453501.262
ML2	34.673
ATTEN	55.0
Parent	800.20 [us]
PULSTART1	0.00 [us]
PULSDUR0	1.00 [us]
PULSDUR1	0.00 [us]
SMONUM	0
AOFFSO	0
AOFFST1	0
DOFFSO	0
DOFFST1	3
CMT1	1:1000 stock (1:10 in 1:10 alpha-c)
CMT2	

Sample: DMC-1
1:10,000 dilution; reflector mode
very high laser power

r.i.

1.0

0.8

0.6

0.4

0.2

0.0

130 150 170 190 210 230 m/z

Fig. 11

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Docket No. 780068.418C3

INSTRUM	
Old	
SNPNAM	alpha_c
AQ_DATE	Mon Nov 20 14:04:49 1995
OSSPATH	/data/dsc/darwin
AQOP_m	Reflector
DW	4.0
TD	10000
NoSHOTS	25
POLARI	POS
Acce	17.50 KV
RefIE	20.00 KV
RefFull	20.0 KV
UdeIL	1.75 KV
UdeIR	1.70 KV
UdefL	0.00 KV
PULSREP	3.00 Hz
ML1	145.770.603
WL2	37.845
ATTEN	58.0
Parent	800.20 [us]
PULSTART1	0.00 [us]
PULSDUR1	1.00 [us]
SMONUM	0 [us]
AOFFSO	0
AOFFSI	0
DOFFSO	0
DOFFSI	3
CMT1	neat
CMT2	

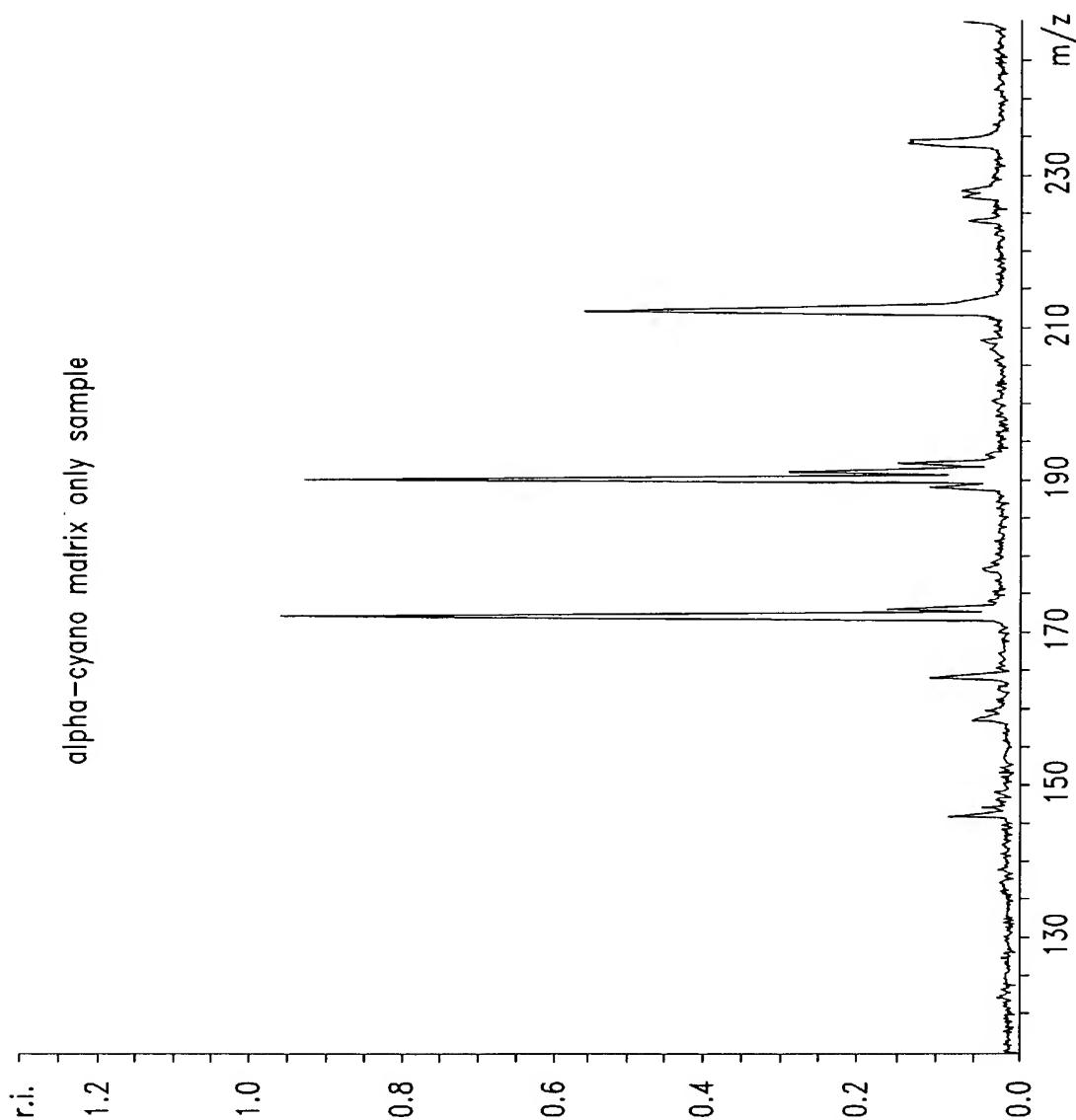


Fig. 12

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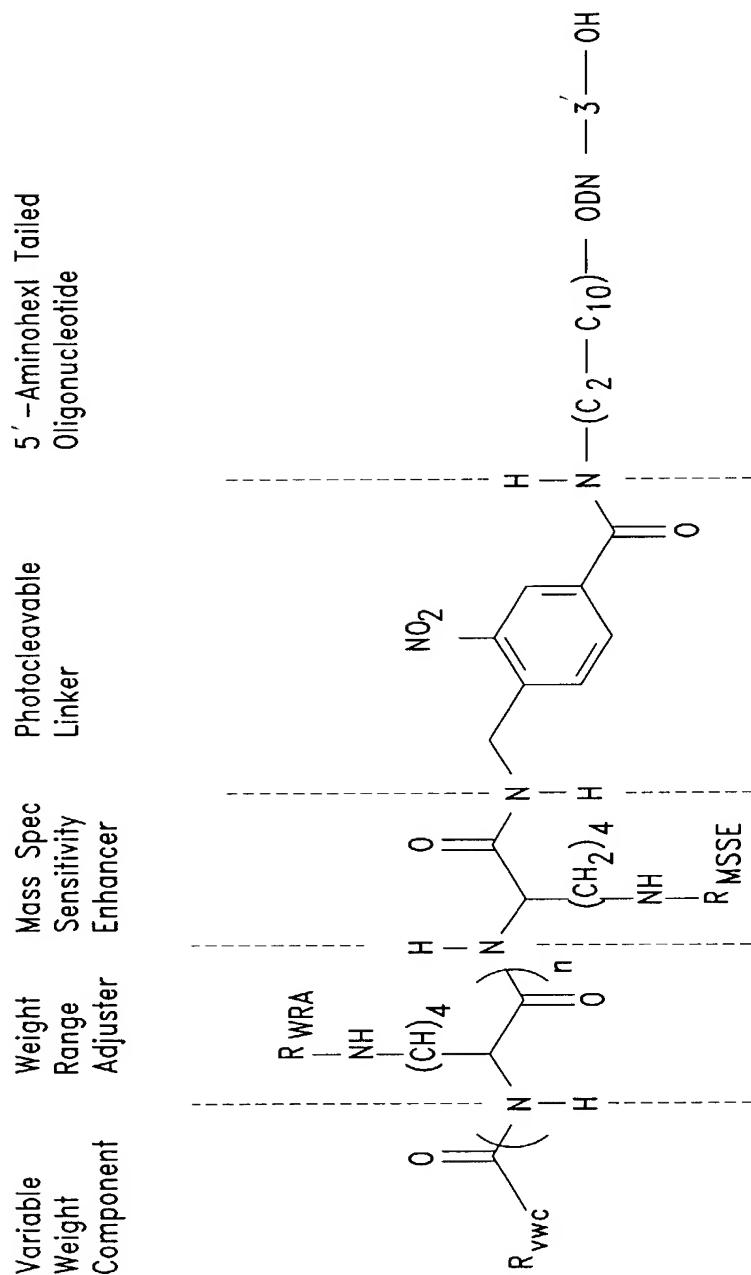


Fig. 13

Array Interrogation Using MALDI Mass Spectrometry

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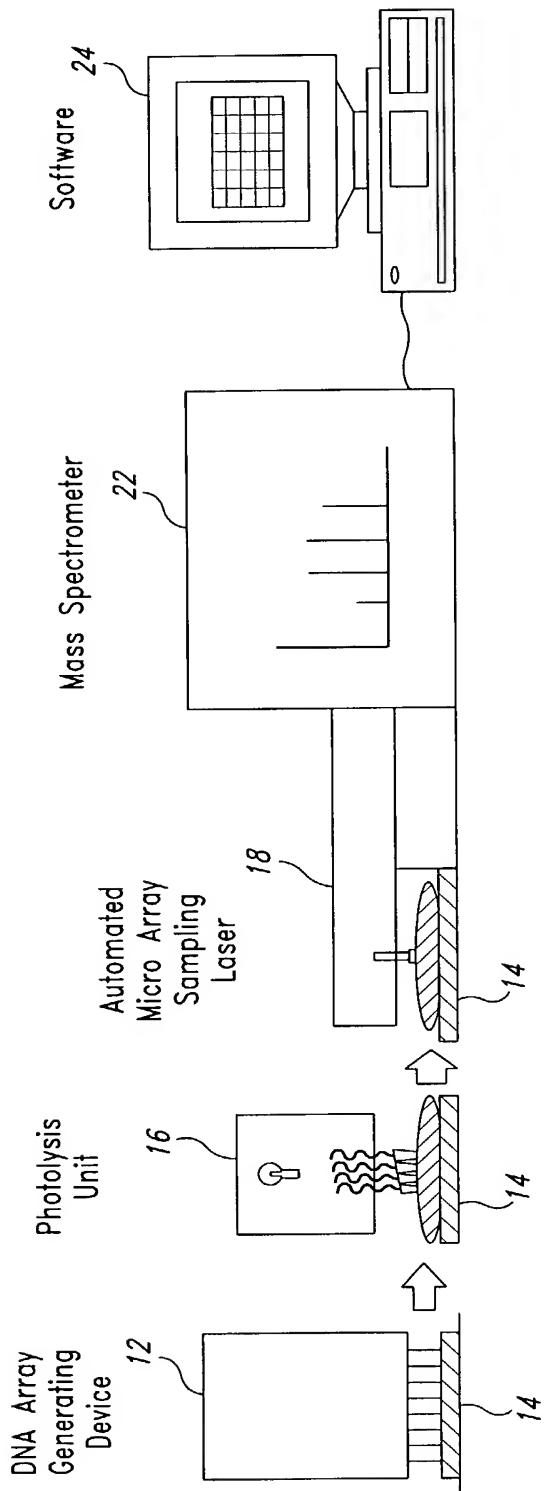


Fig. 14

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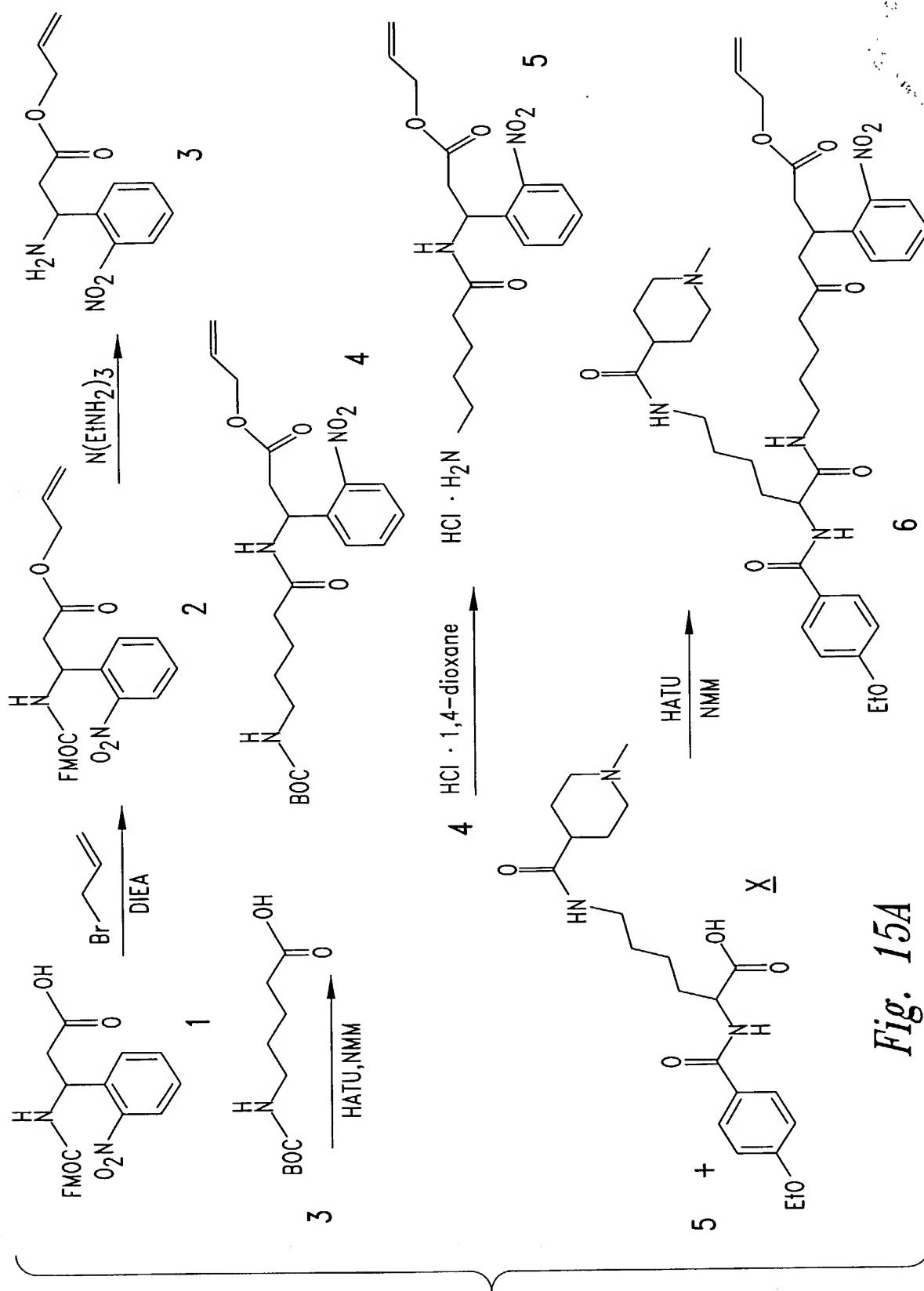


Fig. 15A

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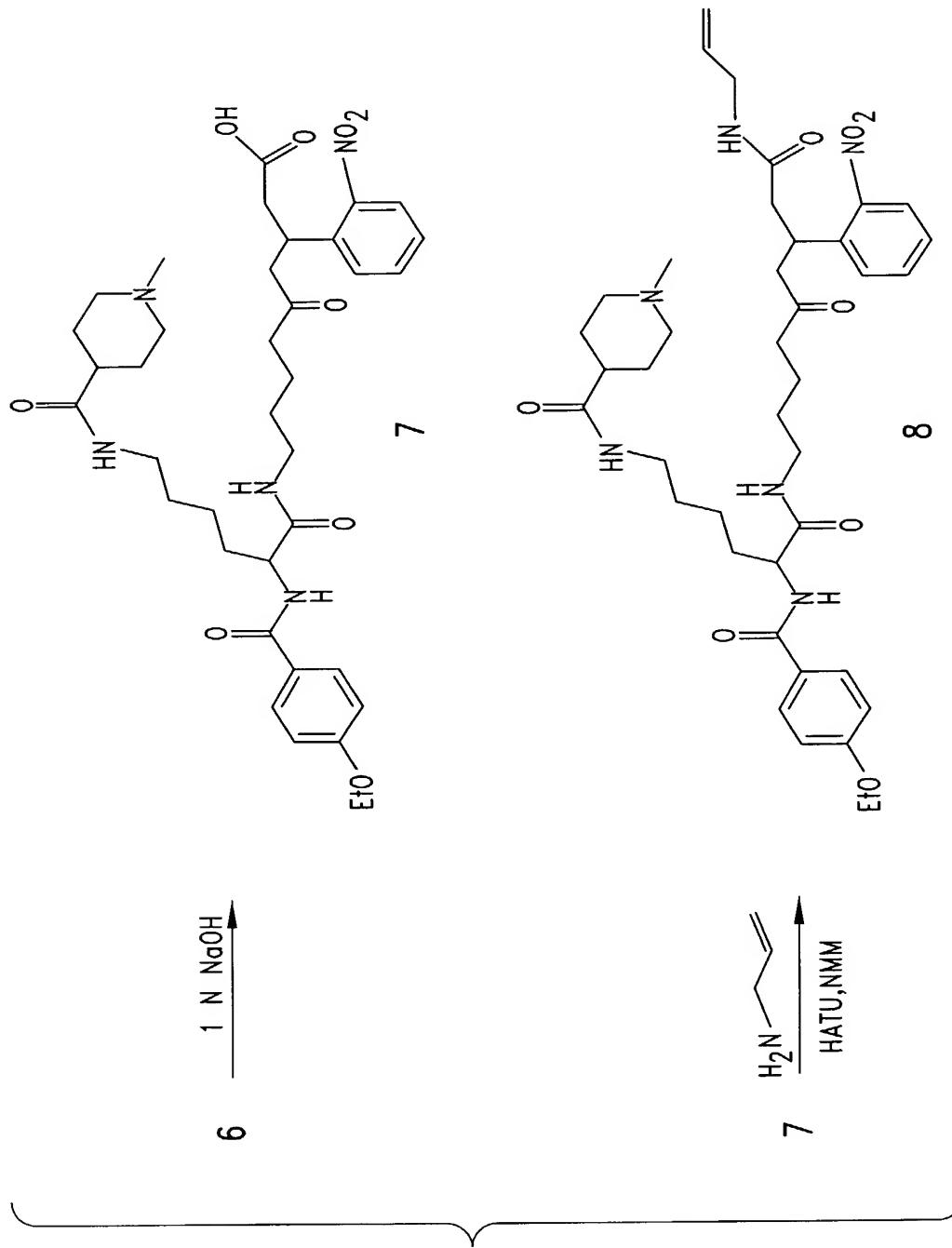


Fig. 15B

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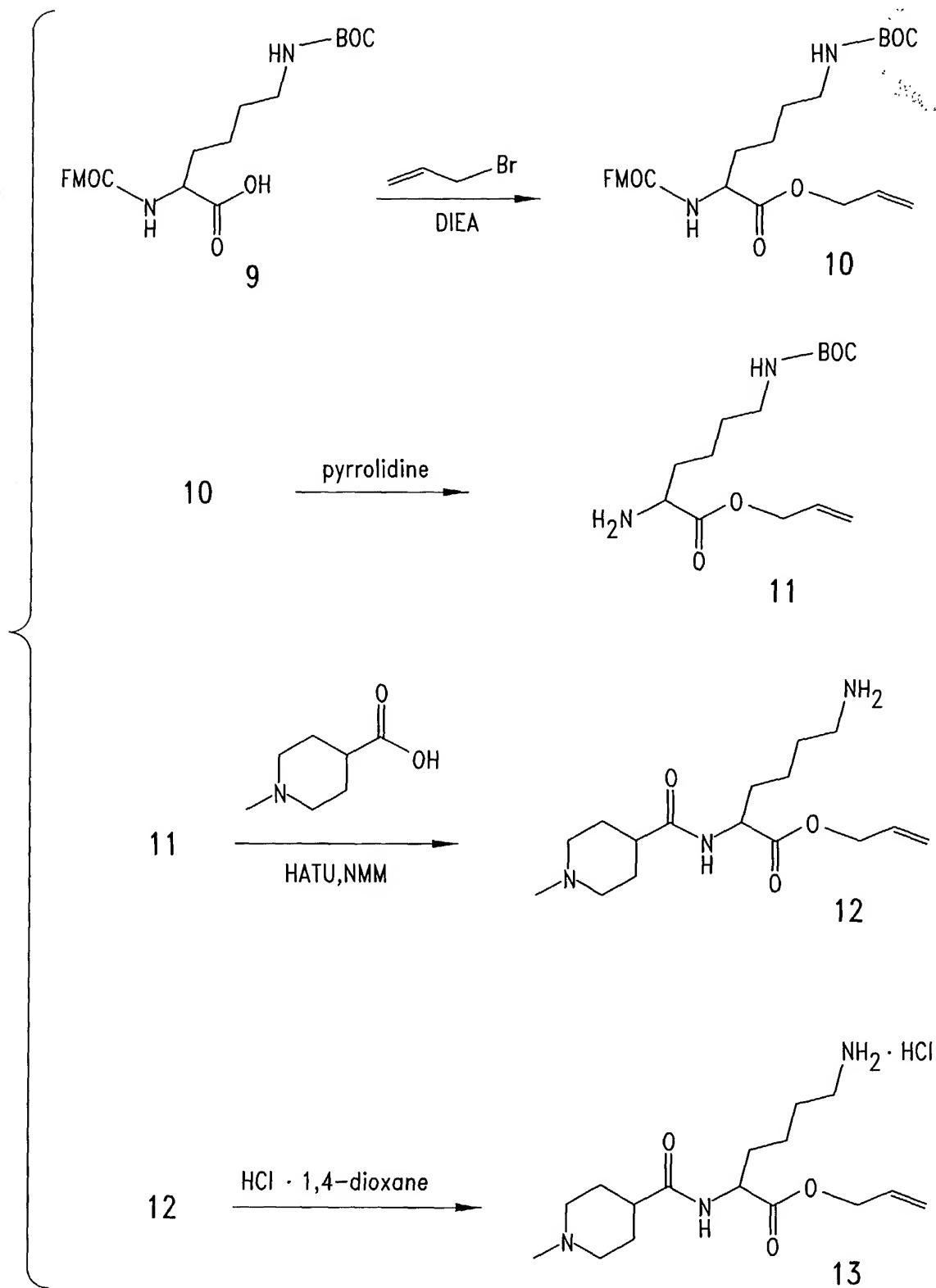
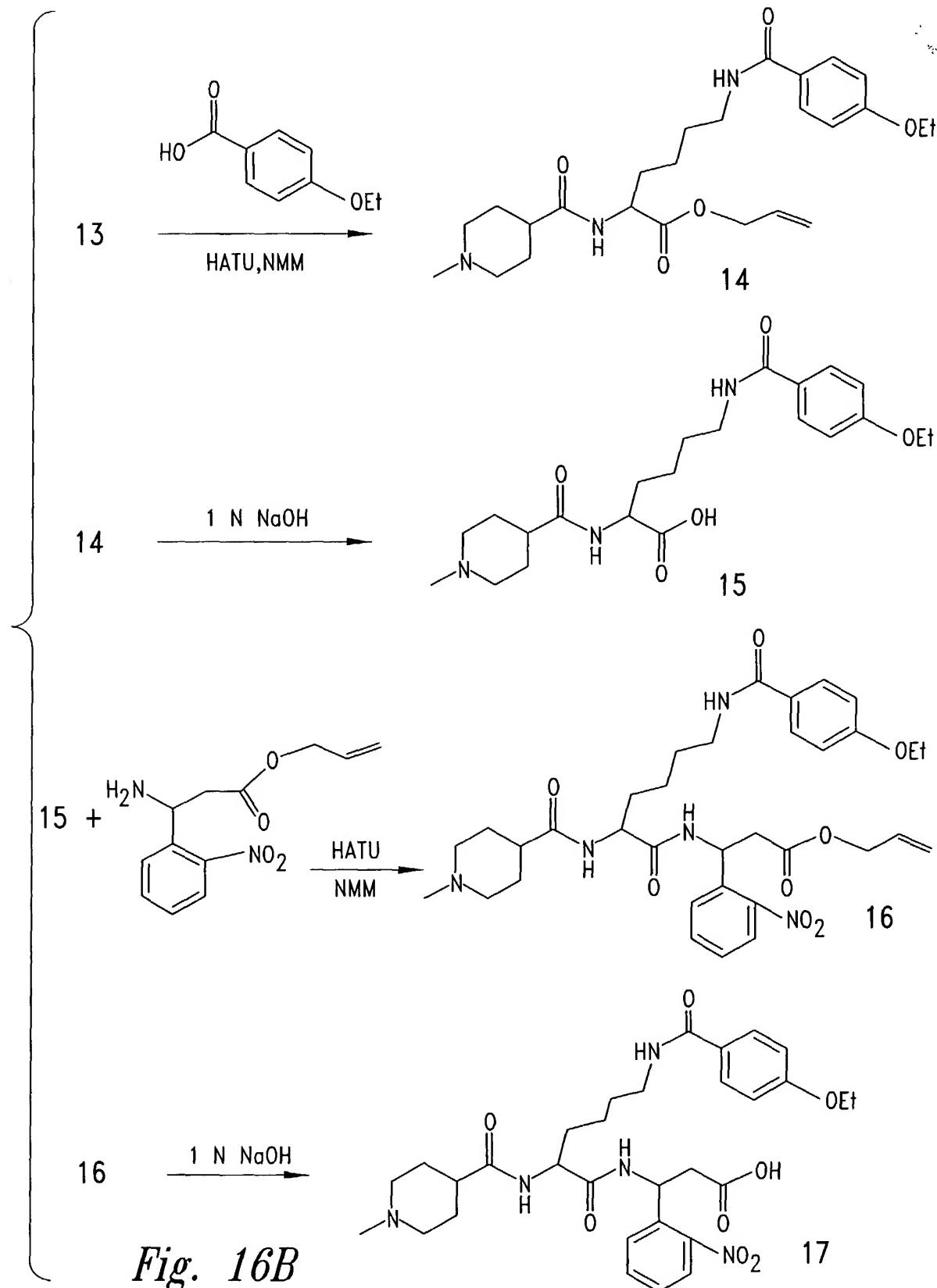


Fig. 16A

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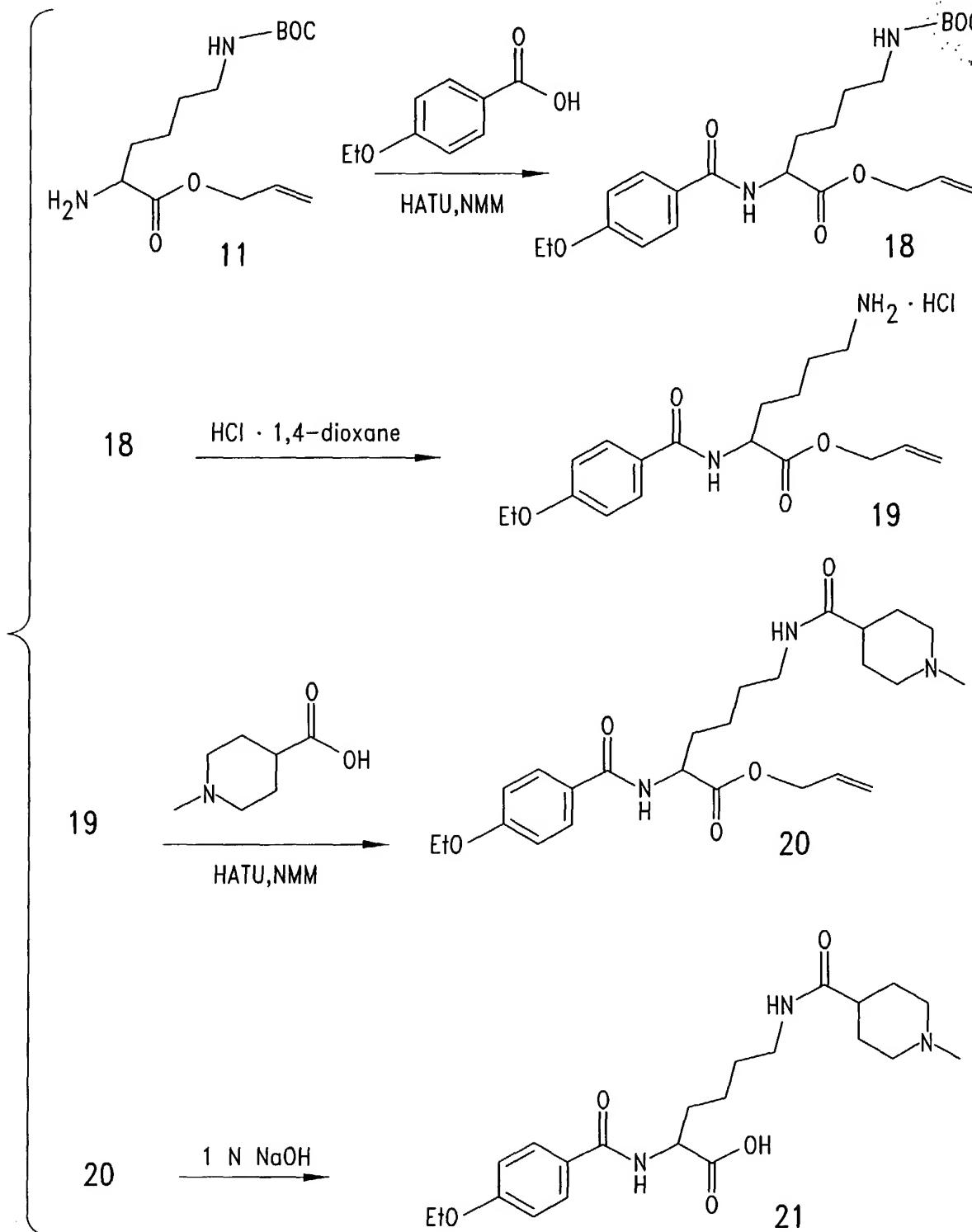


Fig. 17